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Hydrologic Data for Urban Studies in the Fort Worth, Texas Metropolitan Area, 1975

U.S. GEOLOGICAL SURVEY

Open-file report No. 77-266



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Prepared in cooperation with the City of Fort Worth

Hydrologic Data for Urban Studies in the Fort Worth, Texas Metropolitan Area, 1975

R. M. Slade, Jr. and J. M. Taylor

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June 1977

Reproduced by the Texas Water Development Board
as a part of the continuing program of cooperation
in water-resources investigations between
the Board and the U.S. Geological Survey.

Copies of this report may be obtained from the
U.S. Geological Survey
Federal Building
300 East 8th Street
Austin, TX 78701

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HYDROLOGIC DATA FOR URBAN STUDIES IN THE
FORT WORTH, TEXAS METROPOLITAN AREA

1975

By

R. M. Slade, Jr. and J. M. Taylor
U.S. Geological Survey

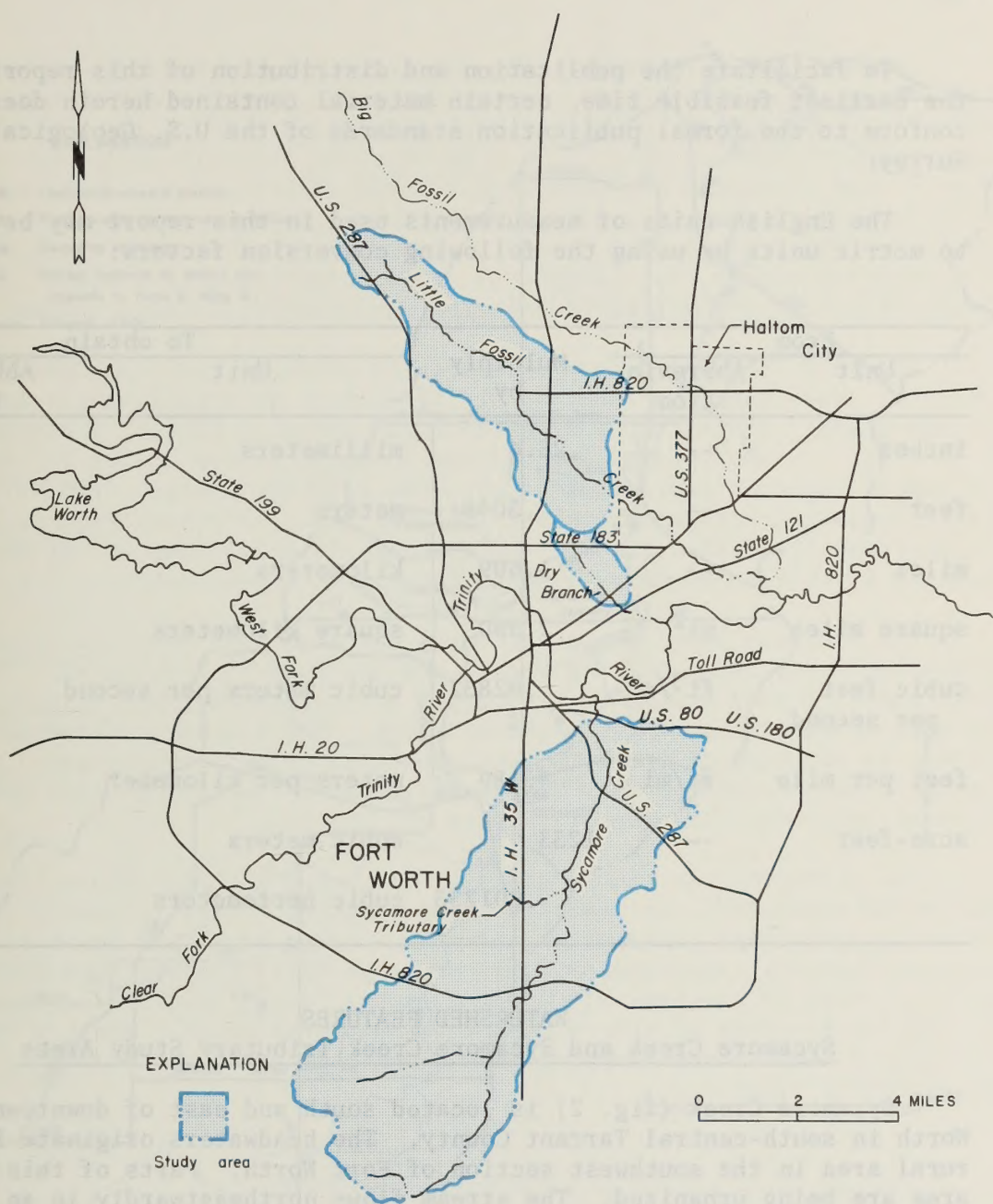
INTRODUCTION

Hydrologic investigations of urban areas in Texas were begun by the U.S. Geological Survey in 1954. These investigations are now in progress in several major metropolitan areas including Austin, Dallas, Dallas County, Houston, and San Antonio.

In October 1968, the Geological Survey, in cooperation with the city of Fort Worth Department of Public Works, began a program of hydrologic investigations on several small streams in Fort Worth. The investigations are designed to evaluate factors affecting floods on small streams in the metropolitan area. Studies of additional streams, one of which drains beneath the impervious area of a shopping center, were added to the program in October 1969. The objectives of the program are:

1. To determine, on the basis of historical data and hydrologic analyses, the magnitude and frequency of floods.
2. To document and define the areal extent of floods of greater than ordinary magnitude.
3. To determine the effect of urban development on flood peaks and volume.

This report is the seventh in a series of reports to be published annually for the Fort Worth area as part of a continuing program. The report presents the basic hydrologic data collected in four study areas during the 1975 water year (October 1, 1974 to September 30, 1975). The four study areas within the metropolitan area are Sycamore Creek, Sycamore Creek tributary, Dry Branch, and Little Fossil Creek (fig. 1). The Sycamore Creek tributary study area includes the highly impervious area of the Seminary South Shopping Center (fig. 1) as a subarea.



Base from General Highway
map of Texas

FIGURE 1.— Locations of Sycamore Creek, Sycamore Creek tributary, Dry Branch, and Little Fossil Creek study areas

To facilitate the publication and distribution of this report at the earliest feasible time, certain material contained herein does not conform to the formal publication standards of the U.S. Geological Survey.

The English units of measurements used in this report may be converted to metric units by using the following conversion factors:

From		Multiply by	To obtain	
Unit	Abbrevia- tion		Unit	Abbrevia- tion
inches	--	25.4	millimeters	mm
feet	--	.3048	meters	m
miles	--	1.609	kilometers	km
square miles	mi ²	2.590	square kilometers	km ²
cubic feet per second	ft ³ /s	.02832	cubic meters per second	m ³ /s
feet per mile	ft/mi	.189	meters per kilometer	m/km
acre-feet	--	1233	cubic meters	m ³
		.001233	cubic hectometers	hm ³

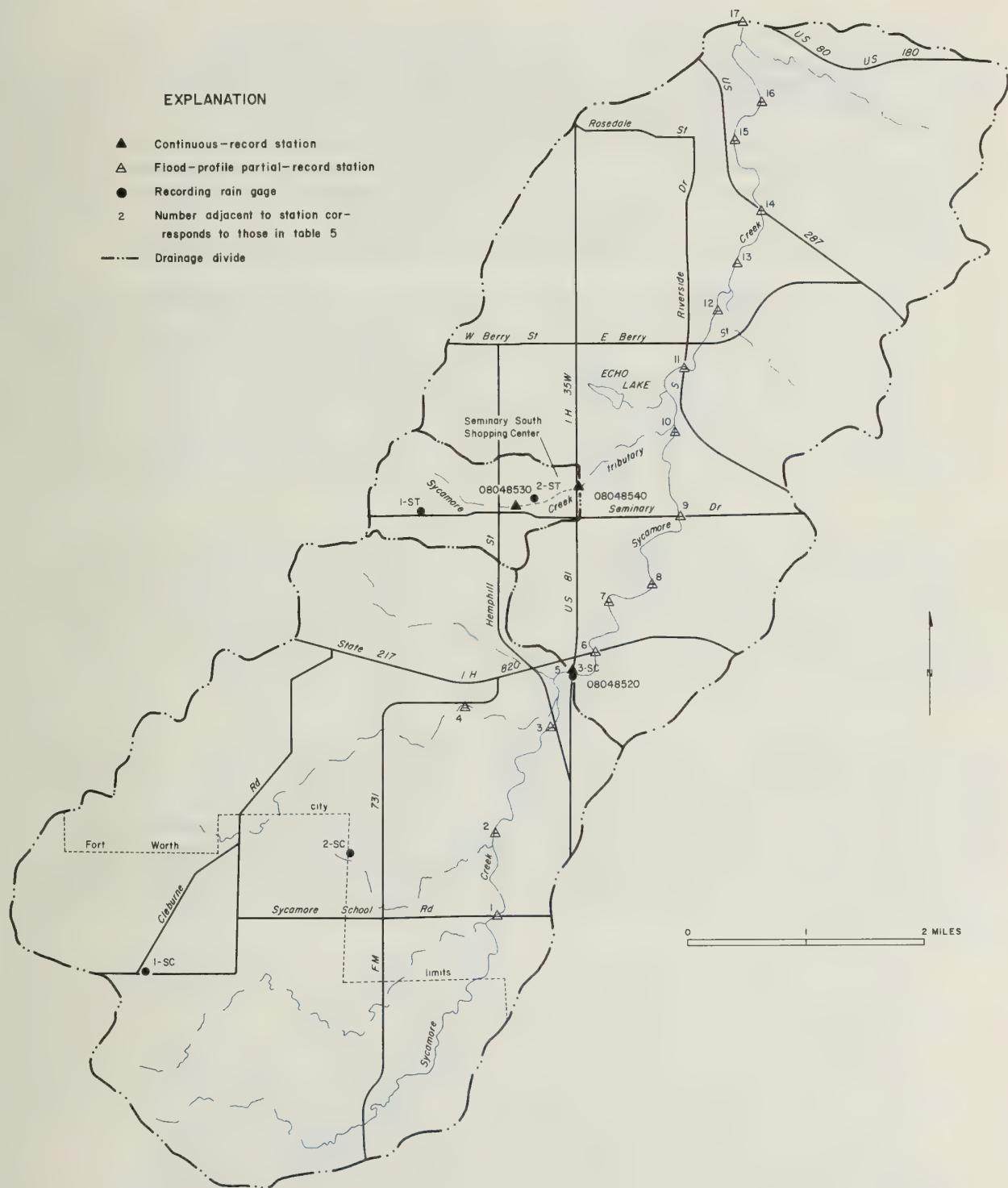
WATERSHED FEATURES

Sycamore Creek and Sycamore Creek Tributary Study Areas

Sycamore Creek (fig. 2) is located south and east of downtown Fort Worth in south-central Tarrant County. The headwaters originate in a rural area in the southwest section of Fort Worth. Parts of this rural area are being urbanized. The stream flows northeastwardly in an open channel and passes beneath Interstate Highway 35-W to southeast Fort Worth. The stream continues its northeasterly course through residential and light industrial sections of the near-east side of Fort Worth and on into the West Fork Trinity River. The creek decreases in altitude from approximately 840 feet above mean sea level at the headwaters to 630 feet at Interstate Highway 35-W, a distance of 8.2 miles. The creek decreases in altitude from 630 feet at Interstate Highway 35-W to 496 feet at U.S. Highways 80 and 180 (0.9 mile upstream from the West Fork Trinity River), a distance of 7.8 miles. The altitude at the mouth of Sycamore Creek is about 489 feet above mean sea level.

EXPLANATION

- ▲ Continuous-record station
- △ Flood-profile partial-record station
- Recording rain gage
- 2 Number adjacent to station corresponds to those in table 5
- Drainage divide



Base from U.S. Geological Survey
topographic quadrangles

FIGURE 2.—Locations of hydrologic-instrument installations in the Sycamore Creek and Sycamore Creek tributary study areas

Sycamore Creek tributary (fig. 2) is within the Sycamore Creek drainage basin. The tributary is in the south-central section of Fort Worth. The headwaters originate approximately 1.3 miles west of Seminary South Shopping Center (fig. 2). A storm-water drainage system collects runoff from a residential-park area through street-gutter inlets upstream from Hemphill Street (fig. 2). The tributary flows easterly through a system of open channel and pipe-arch and box culverts. Storm water from the shopping center, two peripheral residential-commercial areas, and Interstate Highway 35-W flows into the underground drainage system.

Sycamore Creek tributary decreases in altitude from approximately 760 feet above mean sea level at the headwaters to approximately 647.7 feet at the gaging station above Seminary South Shopping Center, a distance of 1.3 miles. At the western edge of the shopping center and at the entrance of the underground pipe-arch culvert, the altitude changes from 647.7 to 643.8 feet in a distance of about 130 feet. The tributary then decreases in altitude from 643.8 feet at the entrance to 618.7 feet at the downtown side of Interstate Highway 35-W, a distance of approximately 0.7 mile.

The Seminary South Shopping Center contains many retail business establishments, large parking areas, and one high-rise building. The flat roofs of many buildings are topped with aggregate, and considerable storage of water can occur on the rooftops. The drainage system in the center is composed of gutter inlets connected to many subsurface concrete lateral pipes; each pipe feeds a main. The mains drain into a central concrete-arch culvert beneath the center.

The difference in runoff between the gaging stations above (08048530) and below (08048540) the Seminary South Shopping Center is runoff from the shopping center and residential-commercial areas north and south of the shopping center. Approximately one-third of this intervening drainage area consists of the Seminary South Shopping Center, and the remaining two-thirds consists of the residential-commercial areas. Monthly rainfall and runoff data of the shopping center and associated drainage area are presented in table 1.

Table 1.--Summary of monthly rainfall-runoff relationship for the 1975 water year for the Seminary South Shopping Center and associated drainage area

Month	(2-ST) Rainfall (inches)	Runoff (inches) <u>1/</u>	Ratio of runoff to rainfall <u>1/</u>
<u>1974</u>			
October	5.27	2.17	0.41
November	2.19	1.14	.52
December	1.37	.46	.34
<u>1975</u>			
January	3.30	2.36	.72
February	2.32	<u>2/</u> 2.93	<u>2/</u> 1.26
March	1.33	.47	.35
April	3.62	2.01	.56
May	6.29	3.81	.61
June	3.23	2.66	.82
July	2.83	1.47	.52
August	2.27	1.23	.54
September	1.57	.95	.61
Totals	35.59	21.66	0.61

1/ Data unadjusted for sustained low-flow effluents from the shopping center.

2/ Part of this runoff was carried over into this month from the last day of the previous month.

Dry Branch and Little Fossil Creek Study Areas

Dry Branch (fig. 3) is located in the northeast part of Fort Worth in Tarrant County. The headwaters originate 1.3 miles northwest of the Fort Worth Refinery. The stream upstream from the refinery flows southeasterly in an open channel and through a culvert beneath the refinery. Downstream from the refinery the stream flows southeastwardly through a residential section for about 3.0 miles to the West Fork Trinity River. The stream decreases in altitude from approximately 635 feet above mean sea level at the headwaters above the Fort Worth Refinery to 583.7 feet at Blandin Street, a distance of 1.8 miles. The stream then decreases in altitude from 583.7 feet above mean sea level at Blandin Street to 537.5 feet at Fain, a distance of 1.7 miles.

Little Fossil Creek (fig. 3) is located north of downtown Fort Worth in north-central Tarrant County. The headwaters originate in a rural area northwest of Saginaw, and the stream flows in an open channel southeasterly past Saginaw, through the Greater Southwest Corporation Industrial Park, and into the northeastern part of Fort Worth. The stream continues its southeasterly course from Fort Worth through Haltom City to Big Fossil Creek, and on into the West Fork Trinity River (fig. 1). The creek decreases in altitude from approximately 810 feet above mean sea level at the headwaters north of Saginaw to approximately 610 feet at the downstream side of Interstate Highway 820 in northeast Fort Worth, a distance of 6.0 miles. The stream then decreases in altitude from approximately 610 feet at the downstream side of Interstate Highway 820 to 548.6 feet at Mesquite Street, a distance of 3.3 miles.

HYDROLOGIC INSTRUMENTS

Instruments to collect rainfall, runoff, and flood-profile data in the Sycamore Creek study area consist of 3 recording rain gages, 1 continuous-record stream-gaging station, and 16 flood-profile partial-record gages.

Instruments to collect rainfall and runoff data in the Sycamore Creek tributary study area consist of two recording rain gages and two continuous-record stream-gaging stations.

Instruments to collect rainfall, runoff, and flood-profile data in the Dry Branch study area consist of 2 recording rain gages, 1 continuous-record stream-gaging station, 1 crest-stage partial-record station, and 18 flood-profile partial-record gages.

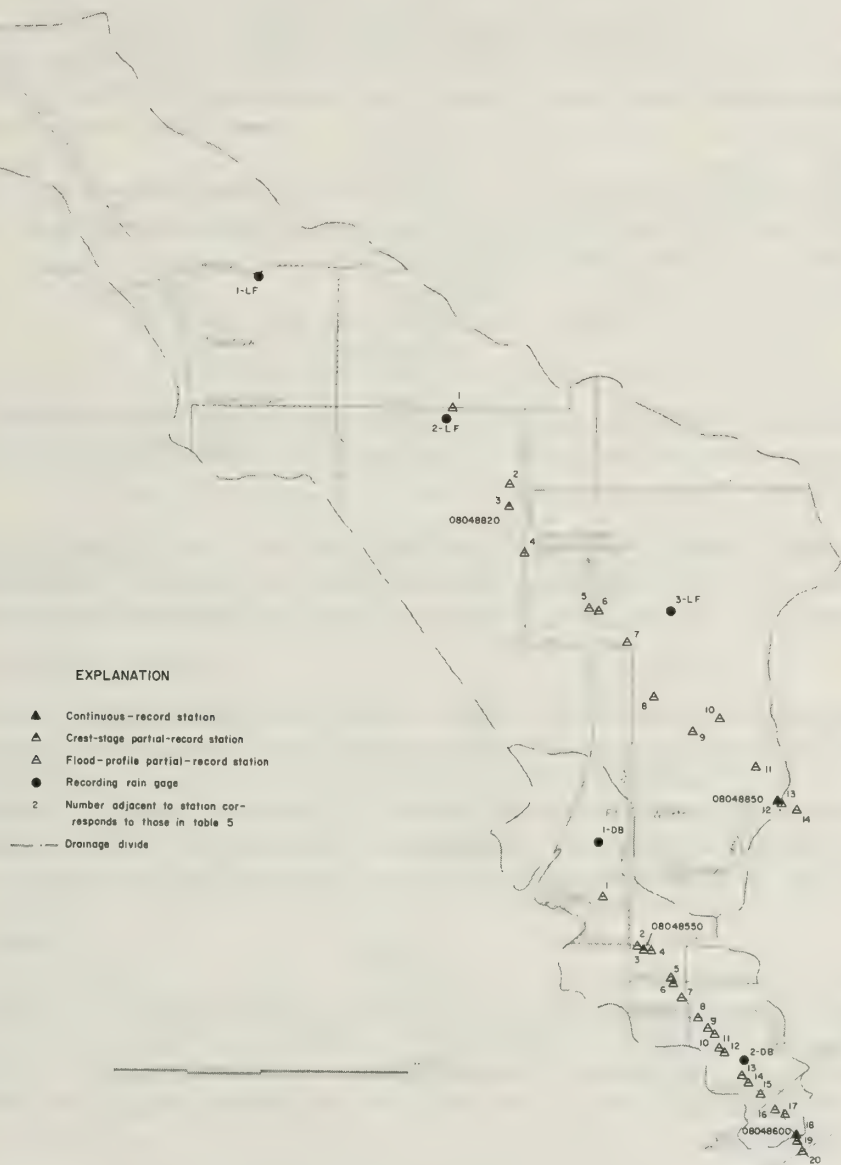


FIGURE 3.—Locations of hydrologic-instrument installations in the Dry Branch and Little Fossil Creek study areas

Instruments to collect rainfall, runoff, and flood-profile data in the Little Fossil Creek study area consist of 3 recording rain gages, 1 continuous-record stream-gaging station, 1 crest-stage partial-record station, and 12 flood-profile partial-record gages.

In the Little Fossil Creek and Dry Branch basins, three supplemental crest-stage flood-profile stations are located downstream from the study areas to provide additional floodflow elevations in the vicinity of the gaging stations.

Locations of hydrologic instruments in the study areas are shown on figures 2 and 3. Pertinent individual station information is included in the section "Compilation of data".

DATA COLLECTION AND EXPLANATION

Rainfall

Ten recording rain gages distributed throughout the four study areas provide a measure of total rainfall and are used to define rainfall intensities.

In this report, rainfall is compiled on a daily basis to facilitate comparison with the National Weather Service records, comparisons among study-area rain gages, and potential use in mathematical rainfall-runoff models.

Weighted-mean rainfall for a study area is determined by the Thiessen method using gages located within a particular drainage boundary. In some areas, the Thiessen weight values are nearly equal and rainfall amounts are arithmetically averaged. Equations used to compute weighted-mean rainfall for the area above each continuous-record stream-gaging or crest-stage partial-record station are summarized in table 2.

Runoff

Runoff data are based on discharge measurements and stage records at seven stream-gaging locations and peak elevations at 46 flood-profile locations. Of the seven stream-gaging locations, five are continuous-record stream-gaging stations and two are crest-stage partial-record gaging stations.

Table 2.--Equations used to compute weighted-mean rainfall for the area above each continuous-record stream-gaging or crest-stage partial-record station

Station	USGS gage identification No.	Weighted-mean rainfall equation
Sycamore Creek at Interstate Highway 35-W	08048520	$(0.33)(1-SC) + (0.48)(2-SC) + (0.19)(3-SC)$
Sycamore Creek tributary above Seminary South Shopping Center	08048530	$(0.78)(1-ST) + (0.22)(2-ST)$
Sycamore Creek tributary at Interstate Highway 35-W	08048540	$(0.56)(1-ST) + (0.44)(2-ST)$
Seminary South Shopping Center	--	$(1.00)(2-ST)$
Dry Branch at Blandin Street	08048550	$(1.00)(1-DB)$
Dry Branch at Fain Street	08048600	$(0.50)(1-DB) + (0.50)(2-DB)$
Little Fossil Creek at Interstate Highway 820	08048820	$(0.76)(1-LF) + (0.24)(2-LF)$
Little Fossil Creek at Mesquite Street	08048850	$(0.34)(1-LF) + (0.25)(2-LF) + (0.41)(3-LF)$

Note: For locations of stations by the U.S. Geological Survey Identification Number, see figs. 2 and 3. Rain-gage designations are SC-Sycamore Creek area, ST-Sycamore Creek tributary area, DB-Dry Branch area, and LF-Little Fossil Creek area; for rain gage locations, see figs. 2 and 3.

A water-stage recorder at a continuous-record stream-gaging station records the full range in stage, which together with measurements of streamflow allows the computation of total runoff at the station.

A water-stage recorder at a crest-stage partial-record gaging station records only stages above a selected elevation, which together with measurements of streamflow allows computation of the upper part of the runoff hydrograph. These stations are located at sites where limited streamflow data collected systematically over a period of years are needed.

A crest-stage flood-profile gage, located at selected sites along the stream or on tributaries, records the peak water stage reached during the passage of a flood.

The purpose of the two continuous-record stream-gaging stations, located in the Sycamore Creek tributary basin (fig. 2), is (1) to collect hydrologic data from the residential-park area west of Seminary South Shopping Center (upstream station), and (2) to collect hydrologic data from both the residential-park area and the shopping center (downstream station). The difference in runoff between these two stations equals the runoff from the impervious area of the shopping center and associated drainage area. Sustained low-flow occurs as a result of industrial effluents.

Information on monthly runoff (volumetric) and selected individual storm runoff from the shopping center is presented in later sections of this report. Analyses of an individual storm at the shopping center requires routing the discharge shown by the upstream hydrograph to the downstream station by using estimated travel times of 5 to 50 minutes (depending upon upstream discharge). It is assumed that little or no attenuation of upstream discharge occurs. The routed discharges are deducted from the downstream discharges; these differences equal the discharges (estimated) from the impervious area of the shopping center and associated drainage area. Table 1 presents a summary of rainfall-runoff relationships for the current year at Seminary South Shopping Center.

SUMMARY OF DATA FOR THE 1975 WATER YEAR

Each year, storm events that will be useful in achieving the objectives of the study are selected for detailed rainfall-runoff analysis. The event during which the annual maximum discharge occurs is usually included in the selection. A digital computer was used to aid in the processing of some of the individual-station storm data.

During the 1975 water year, storms selected for analysis occurred on May 23-24, June 8, and June 10, 1975 in the Sycamore Creek basin; May 11, June 8, and September 15, 1975 in the Sycamore Creek tributary basin; April 7-8, June 8, and July 24-25, 1975 in the Dry Branch basin; October 30-31, November 9-10, 1974, April 7-8, and July 24-25, 1975 in the Little Fossil Creek basin.

Summaries of storm rainfall-runoff data for selected individual storms at streamflow stations and crest-stage partial-record stations are given in tables 3 and 4, respectively. Detailed storm rainfall and runoff records, hydrographs, and mass curves for each station are shown in the section "Compilation of data".

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY-TEXAS DISTRICT

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 3.--Storm rainfall-runoff data, at streamflow stations,
1975 water year

Date of Storm	Duration (hours)	Total	Rainfall (inches)			Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
			Maximum increment					
			15-minute	30-minute	60-minute			
08048520 Sycamore Creek at Interstate Highway 35-W, Fort Worth, Tex. (Drainage area, 17.7 mi ²)								
May 23-24, 1975	39	1.54	0.28	0.50	0.69	0.56	0.36	1,120
June 8, 1975	17	2.47	.51	.75	1.16	1.01	.41	1,990
June 10, 1975	3.5	.97	.16	.31	.44	.61	.63	885
08048530 Sycamore Creek tributary above Seminary South Shopping Center, Fort Worth, Tex. (Drainage area, 0.97 mi ²)								
May 11, 1975	4.3	1.62	.60	1.01	1.34	.29	.18	245
June 8, 1975	17	1.95	.55	.86	1.09	.53	.27	516
Sept. 15, 1975	4.0	.92	.45	.67	.71	.20	.22	259

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 3.--Storm rainfall-runoff data, at streamflow stations,
1975 water year--Continued

Date of Storm	Duration (hours)	Total	Rainfall (inches)			Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
			Maximum increment					
			15-minute	30-minute	60-minute			
08048540 Sycamore Creek tributary at Interstate Highway 35-W, Fort Worth, Tex. (Drainage area, 1.35 mi ²)								
May 11, 1975	4.3	1.53	0.50	0.88	1.26	0.43	0.28	506
June 8, 1975	17	1.95	.59	.91	1.13	.75	.38	599
Sept. 15, 1975	4.0	1.04	.46	.79	.86	.34	.33	665
Seminary South Shopping Center and associated drainage area, Fort Worth, Tex. (Drainage area, 0.38 mi ²)								
May 11, 1975	4.5	1.28	.44	.81	1.03	.77	.60	309
June 8, 1975	17	1.96	.69	1.05	1.25	1.31	.67	343
Sept. 15, 1975	4.5	1.35	.74	1.10	1.19	.69	.51	406

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 3.--Storm rainfall-runoff data, at streamflow stations,
1975 water year--Continued

Date of Storm	Duration (hours)	Total	Rainfall (inches)				Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
			Maximum increment		30-minute	60-minute			
			15-minute						
08048600 Dry Branch at Fain Street, Fort Worth, Tex. (Drainage area, 2.15 mi ²)									
April 7-8, 1975	22	2.97	0.32	0.59	0.89		1.26	0.42	206
July 24-25, 1975	32	6.67	.66	1.03	1.52		2.88	.43	447
08048850 Little Fossil Creek at Mesquite Street, Fort Worth, Tex. (Drainage area, 12.3 mi ²)									
Oct. 30-31, 1974	22	2.53	.26	.40	.63		1.60	.63	1,580
April 7-8, 1975	23	2.89	.27	.53	.79		.92	.32	864
July 24-25, 1975	32	5.94	.99	1.43	2.03		2.26	.38	5,360

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 4.--Storm rainfall-runoff data, at crest-stage partial-record stations,
1975 water year

Date of Storm	Duration (hours)	Total	Rainfall (inches)			Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
			Maximum increment					
			15-minute	30-minute	60-minute			
08048550 Dry Branch at Blandin Street, Fort Worth, Tex. (Drainage area, 1.08 mi ²)								
April 7-8, 1975	5.0	1.14	0.27	0.52	0.81	0.82	0.72	246
June 8, 1975	17	1.10	.41	.75	1.01	.27	.25	157
July 24-25, 1975	32	7.78	.77	1.31	1.78	4.76	.61	570
08048820 Little Fossil Creek at Interstate Highway 820, Fort Worth, Tex. (Drainage area, 5.64 mi ²)								
Nov. 9-10, 1974	19	1.55	.10	.17	.25	.94	.61	457
July 25, 1975	20	3.81	.98	1.42	2.01	1.09	.29	1,260

Yearly rainfall and runoff for the 1975 water year for the study areas with continuous-record gaging stations in the Fort Worth metropolitan area are summarized in the following table:

Station	Yearly mean rainfall (inches)	Yearly runoff (inches)	Ratio of runoff to rainfall
Sycamore Creek at Interstate Highway 35-W (08048520)	34.85	13.00	0.37
Sycamore Creek tributary above Seminary South Shopping Center (08048530)	38.25	11.91	.31
Sycamore Creek tributary at Interstate Highway 35-W (08048540)	37.46	14.65	.39
Seminary South Shopping Center and associated drainage area	35.59	21.65	.61
Dry Branch at Fain Street (08048600)	38.15	14.23	.37
Little Fossil Creek at Mesquite Street (08048850)	37.30	11.07	.30

NOTE: See "Remarks" paragraph of station descriptions in the section "Compilation of data" for information about regulation or diversion.

Other data, including daily and monthly rainfall and daily and monthly runoff for the 1975 water year, are included in the section "Compilation of data." In addition, flood-profile data for storms during the water year are listed in table 5.

Table 5.--Peak elevations at flood-profile partial-record and continuous-record stations, 1975 Water Year.

Map no.	Station no.	Station name and location of floodmark 1/	Drainage area (mi ²)	Distance above mouth (miles) 2/	Flood elevations				
					Oct. 31, 1974	Jan. 31-Feb. 1 1975	Apr. 7-8 1975	June 8, 1975	July 25, 1975
		Sycamore Creek basin							
1		Sycamore Creek at Sycamore School Road-UsLb	-	11.5	691.95	692.67	692.46	-	692.43
2		Sycamore Creek near intersection of Trimble Drive and Hallmark Drive (Hallmark Addition)-Lb	-	10.5				-	
3		Sycamore Creek at Hemphill Street-UsRb	-	9.2	673.91	675.63	674.96	-	674.33
4		Sycamore Creek tributary at Sycamore Creek Road-UsLb	-	-	646.8	648.5	-	-	646.7
5	08048520*	Sycamore Creek at Interstate Highway 35W-UsLb	17.7	8.7	-	668.93	670.07	-	670.50
6		Sycamore Creek at Interstate Highway 820-DsRb	-	8.3	633.36	634.42	635.53	635.76	632.55
7		Sycamore Creek at Oak Grove Road-DsLb	-	7.7	626.3	629.37	628.96	628.80	626.99
8		Sycamore Creek below Missouri-Pacific RR-1,500 ft DsLb	-	7.2	614.5	617.32	616.94	616.63	615.1
9		Sycamore Creek at Seminary Drive-UsRb	-	6.3	-	604.2	604.90	-	602.33
10		Sycamore Creek at Butler Street (extension)-225 ft DsLb	-	5.5	-	586.3	586.1	-	586.41
11		Sycamore Creek at Riverside Drive-UsRb	-	4.8	-	569.87	570.20	569.31	568.3
12		Sycamore Creek at Glen Garden Drive-UsRb	-	4.2	-	-	-	-	-
13		Sycamore Creek in Cobb Park midway between Glen Garden Drive and U.S. Highway 287-Lb	-	3.7	-	553.63	-	-	551.5
14		Sycamore Creek at U.S. Highway 287-DsRb	-	3.0	-	-	-	-	540.55
15		Sycamore Creek at West Rosedale Street-DsRb	-	2.2	534.2	538.79	536.84	536.19	534.5
16		Sycamore Creek at Vickery Boulevard-UsLb	-	1.7	521.3	-	-	-	521.98
17		Sycamore Creek at Lancaster Avenue-UsLb	-	.9	-	518.01	519.81	-	517.97
					-	505.34	504.51	-	501.34
		Dry Branch basin							
1		Dry Branch at Texas and Pacific RR Spur-Rb	-	3.41	-	-	-	-	598.65
2		Dry Branch at Grace Street-DsLb	-	2.86	587.42	587.36	587.68	587.09	591.71
3	08048550†	Dry Branch at Blandin Street-24 ft UsLb	1.08	2.82	586.62	586.51	586.89	586.27	591.59
4		Dry Branch at Blandin Street-DsLb	-	2.80	586.41	586.41	586.79	586.08	591.36
5		Dry Branch at Hollis Street-60 ft UsRb	-	2.52	583.24	-	584.30	-	591.3
6		Dry Branch at Hollis Street-10 ft DsLb	-	2.49	580.93	-	581.58	-	589.6
7		Dry Branch at Selma Street-120 ft UsLb	-	2.38	-	-	581.27	-	588.9
8		Dry Branch at Springdale-DsRb	-	2.18	-	568.46	570.48	568.14	576.4
9		Dry Branch at Bonnie Brae-80 ft UsLb	-	2.07	-	567.64	568.89	-	574.98
10		Dry Branch between Bonnie Brae and Aster Court -100 ft UsRb	-	1.98	-	-	-	-	-
11		Dry Branch at Carnation Street-20 ft UsRb	-	1.89	-	565.77	566.82	565.37	572.7
12		Dry Branch at Carnation Street-100 ft DsLb	-	1.85	-	563.45	565.03	563.44	572.4
13		Dry Branch at Robinwood Street-150 ft UsRb	-	1.65	-	562.87	-	-	569.6
14		Dry Branch between Robinwood and Yucca Streets -150 ft UsLb	-	1.56	558.91	560.84	564.21	-	567.19
15		Dry Branch between Yucca and Belknap Streets-Rb	-	1.46	-	-	561.19	-	563.26
16		Dry Branch at Beach Street-UsLb	-	1.29	-	-	553.1	-	557.34
17		Dry Branch at Beach Street-DsRb	-	1.23	-	543.62	544.08	544.10	547.56
18	08048600*	Dry Branch at Fain Street-UsRb	2.15	1.08	543.42	542.93	543.11	542.91	545.17
19		Dry Branch at Fain Street-UsRb	-	1.08	541.47	541.17	541.35	540.72	543.37
20		Dry Branch at Fain Street-DsRb	-	1.06	539.64	-	539.64	539.56	541.25
		Dry Branch at State Highway 121-UsLb	-	.99	-	537.56	537.85	-	540.02
		Little Fossil Creek basin							
1		Little Fossil Creek at Cantrell-Samson Roads-DsLb	-	8.42	641.29	639.66	640.77	-	640.17
2		Little Fossil Creek at Interstate Highway 820-UsRb	-	7.73	618.81	617.59	618.34	-	618.82
3	08048820†	Little Fossil Creek at Interstate Highway 820-DsRb	5.64	7.55	615.05	613.77	614.47	-	615.69
4		Little Fossil Creek at Old Denton Road-DsRb	-	7.14	604.78	604.86	604.30	-	607.46
5		Little Fossil Creek at Interstate Highway 35W-UsRb	-	6.35	593.57	592.11	592.69	-	595.3
6		Little Fossil Creek at Interstate Highway 35W-DsLb	-	6.26	592.48	591.65	591.95	-	594.44
7		Little Fossil Creek at Watauga (Sylvania Avenue)-UsLb	-	5.93	584.62	585.96	586.57	-	588.6
8		Little Fossil Creek midway between Watauga Road and St. Louis Southwestern RR-Rb	-	5.50	-	-	-	-	-
9		Little Fossil Creek at St. Louis Southwestern RR-DsRb	-	5.12	569.93	570.50	570.31	-	579.0
10		Little Fossil Creek tributary at St. Louis Southwestern RR-DsRb	-	-	-	574.30	574.36	-	574.35
11		Little Fossil Creek at Texas & Pacific RR-30 ft DsLb	-	4.54	-	574.30	574.36	-	576.55
12	08048850*	Little Fossil Creek at Mesquite Street-Rb	12.3	4.24	560.94	560.31	559.81	-	563.0
13		Little Fossil Creek at Beach Street-UsRb	-	4.20	556.64	555.38	555.09	-	560.84
14		Little Fossil Creek at Beach Street-DsRb	-	4.11	556.50	555.40	555.14	-	561.21
					553.88	553.36	553.05	-	559.84

* Continuous record station.

† Crest-stage partial-record station.

1/ Legend to location of floodmark: Ds-downstream; Us-upstream; Lb-left bank; Rb-right bank.

2/ Distances above mouth in Dry Branch basin from report "Drainage Master Plan for City of Fort Worth, Public Works Department Dry Branch Watershed," March 1967, by Knowlton-Ratliff-English, Consulting Engineers.

C O M P I L A T I O N O F D A T A

TRINITY RIVER BASIN

08048520 Sycamore Creek at Interstate Highway 35-W, Fort Worth, Tex.

LOCATION.--Lat 32°39'55", long 97°19'16", Tarrant County, on left bank at upstream side of bridge on frontage road on upstream side of Interstate Highway 35-W, 5.8 miles (9.3 km) south of Fort Worth City Hall, and 8.9 miles (14.3 km) upstream from mouth.

DRAINAGE AREA.--17.7 mi² (45.8 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--6 years, 9.71 ft³/s (0.275 m³/s), 7.45 in/yr (189 mm/yr), 7,030 acre-ft/yr (8.67 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,990 ft³/s (56.4 m³/s) June 8 (elevation, 635.76 ft or 193.780 m); no flow at times.
Period of record: Maximum discharge, 5,450 ft³/s (154 m³/s) Oct. 19, 1971 (elevation, 639.77 ft or 195.002 m); no flow at times.
Flood of May 6, 1969, reached an elevation of 640.1 ft (195.10 m), from floodmarks (discharge, 5,800 ft³/s or 164 m³/s). Flood in 1908 reached an elevation of 645.9 ft (196.87 m), and flood in 1938 reached an elevation of 644.4 ft (196.41 m), from information by State Highway Department.

REMARKS.--Records good above 60 ft³/s (1.70 m³/s) and fair below. Flow is slightly affected by several small farm ponds on tributaries above station. At times, low flow may be sustained by effluents from commercial establishments. Two recording rain gages are operated in basin above this station, and one recording rain gage is located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	28	3.2	5.0	796	3.5	2.4	1.5	10	.24	.10	.02
2	.97	14	3.0	22	81	3.1	2.1	18	6.4	.19	.06	.01
3	.86	11	2.9	12	67	2.7	1.3	3.9	4.7	6.5	.10	.01
4	.78	34	2.6	6.7	52	2.4	1.3	2.7	3.9	3.9	4.4	.01
5	.47	13	2.4	5.0	30	2.7	1.0	1.8	2.7	1.0	.24	0
6	.40	9.2	5.6	3.9	15	3.5	1.0	1.5	2.4	.38	.12	0
7	.34	13	2.9	3.9	12	2.7	235	.86	2.1	.15	.06	0
8	.30	11	1.6	3.1	12	2.1	382	.70	331	.10	.06	0
9	.30	12	1.1	3.5	8.3	2.7	21	.58	149	.08	.06	0
10	.25	252	23	6.1	8.3	2.7	14	.47	268	.10	.02	0
11	.24	27	17	2.3	7.9	2.4	10	74	24	.10	.02	0
12	.18	14	7.2	1.6	6.3	3.9	7.9	13	12	.08	.02	0
13	.95	12	5.0	1.7	6.1	12	17	5.4	8.3	.08	.02	.02
14	233	8.9	3.9	1.6	6.1	3.9	12	13	6.1	.04	.01	.01
15	29	7.6	2.9	1.6	5.7	4.4	7.9	5.4	5.0	.02	.01	20
16	7.9	7.6	2.1	1.3	5.0	4.4	6.1	3.1	4.4	.02	.01	2.4
17	5.4	7.5	1.6	1.2	5.7	3.5	5.0	2.1	3.1	.02	.01	.24
18	3.2	6.8	1.5	1.1	4.7	7.2	5.0	1.5	2.4	.02	.01	.15
19	2.2	6.8	1.3	1.5	4.4	3.1	3.9	1.3	1.5	.02	.01	.11
20	1.6	5.8	1.2	1.1	4.4	2.7	3.9	32	1.5	.01	0	.07
21	1.1	4.8	.88	.86	4.4	1.8	3.5	9.0	1.3	.01	0	.07
22	.76	4.4	.86	.75	4.4	1.8	3.1	4.4	1.0	0	2.4	.21
23	.58	11	1.1	.68	14	1.8	3.9	230	.86	0	.58	.17
24	1.5	12	1.1	.65	7.2	1.0	3.1	23	.58	1.3	.08	.09
25	3.0	5.8	.88	.86	5.0	1.0	2.7	11	.47	119	.03	.04
26	1.0	4.9	8.2	.78	4.4	16	2.7	5.7	.47	6.4	8.2	.04
27	.72	4.0	3.8	.58	3.5	25	1.5	4.7	.38	1.8	.86	.02
28	77	3.1	2.9	.58	3.1	8.3	15	339	.30	.68	.20	.01
29	17	7.4	4.0	.58	---	3.9	4.4	157	.24	.34	.10	0
30	23	5.3	3.8	.92	---	3.1	3.1	41	.38	.23	.06	0
31	301	---	10	512	---	2.4	---	15	---	.15	.03	---
TOTAL	716.30	563.9	129.52	605.44	1183.9	141.7	782.8	1022.61	854.48	142.96	17.88	23.70
MEAN	23.1	18.8	4.18	19.5	42.3	4.57	26.1	33.0	28.5	4.61	.58	.79
MAX	301	252	23	512	796	25	382	339	331	119	8.2	20
MIN	.18	3.1	.86	.58	3.1	1.0	1.0	.47	.24	0	0	0
CFSM	1.31	1.06	.24	1.10	2.39	.26	1.47	1.86	1.61	.26	.03	.04
IN.	1.51	1.19	.27	1.27	2.49	.30	1.65	2.15	1.80	.30	.04	.05
AC-FT	1420	1120	257	1200	2350	281	1550	2030	1690	284	35	47
(††)	5.06	2.28	1.15	3.58	2.41	1.50	3.48	6.24	3.51	3.32	1.26	1.06

CAL YR 1974	TOTAL 3318.02	MEAN 9.09	MAX 312	MIN 0	CFSM .51	IN 6.97	AC-FT 6580	†† 32.65
WTR YR 1975	TOTAL 6185.19	MEAN 16.9	MAX 796	MIN 0	CFSM .95	IN 13.00	AC-FT 12270	†† 34.85

PEAK DISCHARGE (BASE, 800 FT³/S)

DATE	TIME	ELEV.	DISCHARGE	DATE	TIME	ELEV.	DISCHARGE
1-31	0515	634.42	1,220	5-23	0815	634.21	1,120
2-1	0345	635.22	1,650	5-28	0630	634.18	1,110
4-7	1645	633.93	993	6-8	2045	635.76	1,990
4-8	0100	635.53	1,840	6-10	0545	633.72	885

†† Weighted-mean rainfall, in inches, based on three rain gages.

TRINITY RIVER BASIN

08048530 Sycamore Creek tributary above Seminary South Shopping Center, Fort Worth, Tex.

LOCATION.--Lat 32°41'08", long 97°19'44", Tarrant County, on right bank near entrance to culvert under Missouri, Kansas, and Texas Railroad, 0.2 mile (0.3 km) northeast of intersection of Hemphill Street and Seminary Drive in Fort Worth, 1.8 miles (2.9 km) upstream from mouth, and 4.5 miles (7.2 km) south of Fort Worth City Hall.

DRAINAGE AREA.--0.97 mi² (2.51 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder with concrete weir and culvert control. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--6 years, 0.67 ft³/s (0.0190 m³/s), 9.38 in/yr (238 mm/yr), 485 acre-ft/yr (598,000 m³/yr).

EXTREMES.--Current year: Maximum discharge, 365 ft³/s (10.1 m³/s) Apr. 7 (elevation, 652.83 ft or 198.983 m); minimum daily, 0.02 ft³/s (0.001 m³/s) July 19-22, Aug. 17, Sept. 14.

Period of record: Maximum discharge, 584 ft³/s (16.5 m³/s) Oct. 19, 1971 (elevation, 655.49 ft or 199.793 m); no flow at times in July and August 1970.

Maximum stage since 1966, about 656.0 ft (199.95 m) in August 1966 (discharge not determined), from information by local resident.

REMARKS.--Records poor prior to Mar. 25 and good thereafter. Low flow is sustained by effluent from commercial establishments above station. One recording rain gage is operated in basin above station, and one is located below station in Seminary South Shopping Center. Records of precipitation and hydrologic data for selected storms are published elsewhere in basic-data reports.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.16	.76	.15	.25	19	.21	.20	.07	.43	.07	.05	.03
2	.13	.44	.18	2.1	2.5	.21	.14	2.0	.20	.13	.06	.04
3	.16	.36	.15	.39	1.8	.52	.14	.11	.17	.16	1.8	.06
4	.15	2.0	.18	.29	1.5	.18	.14	.09	.15	.31	.89	.06
5	.12	.38	.54	.34	.83	.18	.14	.09	.15	.04	.07	.06
6	.12	.30	.22	.25	.52	.18	.11	.08	.15	.04	.06	.06
7	.20	.89	.15	.21	.52	.18	24	.07	.13	.05	.04	.03
8	.13	.25	.12	.30	.52	.15	10	.07	14	.06	.04	.05
9	.12	1.7	.10	.55	.38	.52	.58	.07	.64	.06	.04	.06
10	.17	8.4	2.7	.34	.38	.15	.77	.07	12	.25	2.4	.04
11	.16	.83	.39	.21	.38	.18	.32	7.6	.66	.06	.05	.04
12	.15	.52	.25	.18	.34	.56	.32	.14	.54	.04	.05	.04
13	2.4	.39	.34	.15	.34	1.4	1.8	.88	.38	.04	.05	.16
14	12	.43	.29	.15	.34	.19	.32	.61	.21	.04	.05	.02
15	.53	.34	.21	.15	.29	.58	.26	.39	.20	.07	.03	5.1
16	.30	.34	.21	.18	.34	.24	.20	.10	.20	.06	.05	.08
17	.21	.30	.21	.17	.25	.76	.15	.09	.18	.04	.02	.04
18	.19	.29	.21	.15	.25	.34	.15	.07	.13	.06	.03	.04
19	.15	.29	.18	.25	.25	.21	.15	.07	.09	.02	.04	.05
20	.15	.25	.18	.18	.25	.19	.15	3.1	.09	.02	.04	.05
21	.15	.21	.18	.13	.25	.21	.20	.12	.09	.02	.05	.16
22	.15	.21	.18	.10	.29	.21	.11	.09	.09	.02	5.6	.03
23	.17	.50	.18	.14	1.6	.20	.11	10	.09	.09	.05	.04
24	.62	.21	.18	.26	.27	.18	.11	.41	.08	1.9	.03	.04
25	.20	.47	.41	.15	.25	.18	.09	.15	.08	12	.06	.04
26	.18	.18	1.2	.15	.22	2.4	.09	.11	.19	.12	.24	.04
27	.17	.32	.25	.15	.21	1.7	.07	2.1	.08	.08	.15	.05
28	5.2	.18	.58	.16	.21	.30	1.1	15	.31	.05	.05	.05
29	.34	1.0	.21	.11	---	.23	.21	9.5	.07	.39	.03	.06
30	2.5	.18	.38	.36	---	.15	.09	.77	.06	.09	.04	.03
31	11	---	.70	18	---	.14	---	.58	---	.08	.05	---
TOTAL	38.34	22.92	11.41	26.50	34.28	13.03	42.22	54.60	31.84	16.46	12.21	6.65
MEAN	1.24	.76	.37	.85	1.22	.42	1.41	1.76	1.06	.53	.39	.22
MAX	12	8.4	2.7	18	19	2.4	24	15	14	12	5.6	5.1
MIN	.12	.18	.10	.10	.21	.14	.07	.07	.06	.02	.02	.02
CFSM	1.28	.78	.38	.88	1.26	.43	1.45	1.81	1.09	.55	.40	.23
IN.	1.47	.88	.44	1.02	1.31	.50	1.62	2.09	1.22	.63	.47	.26
AC-FT	76	45	23	53	68	26	84	108	63	33	24	13
(††)	6.15	2.78	1.64	3.56	2.53	1.49	3.85	6.80	3.11	3.11	2.07	1.16

CAL YR 1974	TOTAL	219.36	MEAN	.60	MAX	18	MIN	.02	CFSM	.62	IN	8.41	AC-FT	435	††	36.95
WTR YR 1975	TOTAL	310.50	MEAN	.85	MAX	24	MIN	.02	CFSM	.88	IN	11.91	AC-FT	616	††	38.25

PEAK DISCHARGE (BASE, 200 FT³/S)

DATE	TIME	ELEV.	DISCHARGE	DATE	TIME	ELEV.	DISCHARGE
10-14	0920	unknown	about 200	5-28	0540	651.79	228
4-7	2345	652.83	355	5-29	0840	651.73	222
5-11	1020	651.94	243	6-8	1920	652.56	316
5-23	0745	651.67	216	9-15	1945	652.09	259

†† Weighted-mean rainfall, in inches, based on two rain gages.

NOTE.--No elevation record Jan. 9 to Mar. 25.

TRINITY RIVER BASIN

08048540 Sycamore Creek tributary at Interstate Highway 35-W, Fort Worth, Tex.

LOCATION.--Lat 32°41'18", long 97°19'11", Tarrant County, on left bank at culvert on downstream side of access road to Interstate Highway 35-W, 0.3 mile (0.5 km) north of Seminary Drive in Fort Worth, 1.2 miles (1.9 km) upstream from mouth, and 4.3 miles (6.9 km) south of Fort Worth City Hall.

DRAINAGE AREA.--1.35 mi² (3.50 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--6 years, 1.17 ft³/s (0.0331 m³/s), 11.77 in/yr (299 mm/yr), 848 acre-ft/yr (1.05 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 665 ft³/s (18.8 m³/s) Sept. 15 (elevation, 624.40 ft or 190.317 m); minimum daily, 0.04 ft³/s (0.001 m³/s) for many days.

Period of record: Maximum discharge, 1,100 ft³/s (31.2 m³/s) Oct. 19, 1971 (elevation, 628.41 ft or 191.539 m); minimum daily, 0.01 ft³/s (0.0003 m³/s) for many days in 1970-71.

Maximum elevation since 1969, that of Oct. 19, 1971. Flood in May 1969 reached an elevation of 627.2 ft (191.17 m), from floodmarks.

REMARKS.--Records fair. Records include runoff from a shopping center. Low flows are sustained by effluents. Two recording rain gages are operated in basin above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.24	1.1	.19	.32	.42	.27	.24	.10	.45	.12	.09	.10
2	.24	.60	.23	3.3	4.0	.27	.17	3.7	.38	.16	.28	.17
3	.20	.48	.19	.52	2.9	.73	.17	.26	.32	.20	3.6	.22
4	.19	3.1	.22	.38	2.2	.23	.15	.19	.27	.45	2.5	.20
5	.15	.51	.76	.45	1.2	.23	.15	.16	.27	.12	.09	.07
6	.15	.40	.28	.32	.72	.23	.15	.15	.23	.12	.09	.07
7	.26	1.3	.19	.27	.72	.23	34	.15	.23	.12	.10	.17
8	.17	.32	.16	.40	.72	.19	16	.15	27	.09	.05	.18
9	.15	2.6	.15	.77	.52	.72	.68	.15	1.5	.09	.05	.17
10	.21	14	4.3	.45	.52	.19	1.0	.15	23	.32	2.5	.18
11	.20	1.2	.53	.27	.52	.22	.38	16	.85	.09	.06	.05
12	.19	.72	.33	.23	.45	.78	.38	.33	.72	.07	.06	.05
13	3.8	.53	.45	.19	.45	2.1	3.2	1.2	.45	.07	.07	.47
14	19	.59	.38	.19	.45	.24	.41	.85	.27	.07	.06	.05
15	.74	.45	.27	.19	.38	.81	.32	.52	.23	.10	.06	12
16	.39	.45	.27	.22	.45	.31	.28	.12	.23	.09	.28	.31
17	.27	.39	.27	.21	.32	1.1	.27	.12	.23	.07	.05	.13
18	.24	.38	.27	.19	.32	.45	.28	.12	.19	.09	.04	.23
19	.19	.38	.23	.32	.32	.27	.23	.18	.19	.04	.06	.10
20	.19	.32	.23	.23	.32	.24	.23	5.9	.19	.04	.05	.09
21	.19	.27	.23	.16	.32	.27	.23	.14	.19	.04	.11	.67
22	.19	.27	.23	.12	.38	.27	.23	.12	.15	.04	13	.04
23	.22	.70	.23	.18	2.5	.26	.19	20	.15	.12	.13	.15
24	.89	.27	.23	.34	.36	.23	.19	.66	.15	4.2	.04	.05
25	.25	.65	.56	.19	.32	.23	.15	.16	.19	23	.07	.05
26	.23	.23	1.8	.19	.28	3.3	.14	.15	.23	.22	.48	.05
27	.21	.42	.32	.19	.27	2.4	.12	3.2	.12	.10	.28	.06
28	8.7	.23	.81	.20	.27	.42	2.2	23	.41	.10	.15	.06
29	.45	1.5	.27	.13	---	.27	.53	14	.12	.84	.11	.13
30	4.0	.23	.52	.49	---	.19	.11	1.0	.12	.13	.06	.06
31	18	---	1.0	39	---	.19	---	.60	---	.16	.16	---
TOTAL	60.50	34.59	16.10	50.61	64.18	17.84	62.78	93.53	59.03	31.47	24.73	16.33
MEAN	1.95	1.15	.52	1.63	2.29	.58	2.09	3.02	1.97	1.02	.80	.54
MAX	19	14	4.3	39	42	3.3	34	23	27	23	13	12
MIN	.15	.23	.15	.12	.27	.19	.11	.10	.12	.04	.04	.04
CFSM	1.44	.85	.39	1.21	1.70	.43	1.55	2.24	1.46	.76	.59	.40
IN.	1.67	.95	.44	1.39	1.77	.49	1.73	2.58	1.63	.87	.68	.45
AC-FT	120	69	32	100	127	35	125	186	117	62	49	32
(††)	5.90	2.61	1.56	3.48	2.47	1.44	3.78	6.65	3.15	3.03	2.12	1.27

CAL YR 1974	TOTAL	391.63	MEAN	1.07	MAX	40	MIN	.03	CFSM	.79	IN	10.79	AC-FT	777	††	36.02
WTR YR 1975	TOTAL	531.69	MEAN	1.46	MAX	42	MIN	.04	CFSM	1.08	IN	14.65	AC-FT	1050	††	37.46

PEAK DISCHARGE (BASE, 300 FT³/S)

DATE	TIME	ELEV.	DISCHARGE	DATE	TIME	ELEV.	DISCHARGE
1-31	0405	622.14	332	5-29	0845	622.13	330
4- 7	1550	622.02	315	6- 8	1925	623.93	599
4- 7	2350	623.94	600	7-25	1210	621.99	311
5-11	1030	623.34	506	8-22	1800	622.90	440
5-23	0750	622.67	406	9-15	1950	624.40	665
5-28	0545	622.33	358				

†† Weighted-mean rainfall, in inches, based on two rain gages.

TRINITY RIVER BASIN

08048600 Dry Branch at Fain Street, Fort Worth, Tex.

LOCATION.--Lat 32°46'34", long 97°17'18", Tarrant County, on right bank 30 ft (9 m) upstream from culvert on Fain Street, at intersection of Fain and Beach Streets in Fort Worth, 1.1 miles (1.8 km) upstream from mouth, and 2.9 miles (4.7 km) northeast of Tarrant County Courthouse.

DRAINAGE AREA.--2.15 mi² (5.57 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and concrete culvert control. Datum of gage is 537.51 ft (163.833 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 1.61 ft³/s (0.0456 m³/s), 10.17 in/yr (258 mm/yr), 1,170 acre-ft/yr (1.44 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 447 ft³/s (12.7 m³/s) July 25 (gage height, 5.86 ft or 1.786 m); no flow at times.
Period of record: Maximum discharge, 447 ft³/s (12.7 m³/s) July 25, 1975 (gage height, 5.86 ft or 1.786 m); no flow at times.
Maximum stage since April 1964, 9.0 ft (2.74 m) in April 1966 at upstream side of Fain Street culvert, from information by local resident (discharge not determined).

REMARKS.--Records good above 1.0 ft³/s (0.028 m³/s) and fair below. Low flow is sustained by effluent from commercial establishments and industry above station. Two recording rain gages are operated in basin above station.

REVISIONS.--WSP 2122: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.22	2.2	.22	.38	79	.11	.22	.14	.38	.50	.54	0
2	.22	1.0	.10	5.0	8.5	.14	.22	9.6	.27	.08	4.0	0
3	.22	.62	.05	1.3	5.6	.17	.22	.59	.14	.34	.67	0
4	.19	1.9	.05	.38	4.0	.22	.22	.38	.14	2.7	3.8	.03
5	.14	.49	.88	.38	3.3	.22	.22	.38	.14	.12	.38	.03
6	.10	.38	.84	.22	.90	.22	.22	.28	.14	.05	.23	.03
7	.08	1.0	.18	.22	.61	.22	32	.22	.14	.05	.15	.03
8	.08	.40	.14	.14	.38	.22	39	.22	12	.04	.12	.04
9	.08	3.2	.14	.22	.22	1.1	1.7	.22	3.1	.03	.08	.05
10	.08	49	5.5	.38	.22	.33	1.4	.22	20	.03	.08	.05
11	.08	2.5	1.4	.14	.22	.22	.65	7.0	1.3	.03	.05	.03
12	.08	1.6	.22	.08	.14	1.4	.38	.65	.40	.03	.02	.02
13	3.1	1.4	.08	.08	.14	3.6	1.7	1.1	.14	.02	.04	.07
14	32	1.3	.08	.08	.14	.40	.57	7.2	.28	0	.03	.78
15	2.2	1.3	.08	.08	.14	1.6	.34	1.6	.23	.01	.05	9.4
16	.61	1.1	.08	.08	.14	1.3	.19	.38	.22	.01	.61	1.6
17	.38	.86	.08	.08	.14	.58	.21	.38	.22	.02	7.0	.23
18	.22	.61	.08	.08	.14	.70	.22	.38	.22	.01	1.5	.11
19	.38	.61	.08	.08	.14	.31	.22	.38	.22	.02	.38	.05
20	.22	.52	.08	.08	.14	.22	.22	4.3	.22	.02	.37	.04
21	.14	.38	.08	.08	.14	.22	.22	.58	.27	.02	.11	.07
22	.14	.68	.08	.08	1.1	.22	.22	.22	.31	.01	7.1	.10
23	.14	1.3	.08	.08	2.8	.22	.14	16	.14	0	.95	.01
24	.20	.98	.08	.08	.56	.22	.14	.93	.15	7.1	.22	0
25	.22	.61	.38	.08	.38	.17	.14	.38	.18	156	.04	0
26	.18	.61	2.9	.08	.28	2.8	.14	.31	.14	3.6	.46	0
27	.14	.61	.38	.08	.19	1.6	.14	7.2	.14	1.5	.82	0
28	8.3	.61	.38	.08	.14	.45	.74	13	.14	.66	.18	0
29	.75	1.3	.38	.08	---	.22	.14	10	.14	2.2	.03	0
30	15	.30	1.6	.22	---	.22	.14	3.6	.62	1.3	.01	0
31	62	---	1.7	23	---	.22	---	.96	---	1.2	0	---
TOTAL	127.89	79.37	18.40	33.42	109.80	19.44	82.28	88.80	42.14	177.70	30.10	12.77
MEAN	4.13	2.65	.59	1.08	3.92	.64	2.74	2.86	1.41	5.73	.97	.43
MAX	62	49	5.5	23	79	3.6	39	16	20	156	7.1	9.4
MIN	.08	.30	.05	.08	.14	.11	.14	.14	.14	0	0	0
CFSM	1.92	1.23	.27	.50	1.82	.30	1.27	1.33	.66	2.67	.45	.20
IN.	2.21	1.37	.32	.58	1.90	.34	1.42	1.54	.73	3.07	.52	.22
AC-FT	254	157	36	66	218	39	153	176	84	352	60	25
(††)	5.34	2.58	1.63	2.08	2.66	1.46	3.36	5.96	2.34	7.43	2.29	1.02

CAL YR 1974 TOTAL 623.89 MEAN 1.71 MAX 62 MIN 0 CFSM .80 IN 10.79 AC-FT 1240 †† 35.02
WTR YR 1975 TOTAL 822.55 MEAN 2.25 MAX 156 MIN 0 CFSM 1.05 IN 14.23 AC-FT 1630 †† 38.15

PEAK DISCHARGE (BASE, 170 FT³/S)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
10-31	0445	3.96	219	4-8	0145	3.84	206
2-1	0330	3.66	188	7-25	0900	5.86	447

†† Weighted-mean rainfall, in inches, based on two rain gages.

TRINITY RIVER BASIN

08048850 Little Fossil Creek at Mesquite Street, Fort Worth, Tex.

LOCATION.--Lat 32°48'33", long 97°17'28", Tarrant County, on right bank at intersection of Mesquite Street and Broadway Avenue in Fort Worth, 150 ft (46 m) upstream from bridge on Alta Vista Road (Beach Street), 4.3 miles (6.9 km) northeast of county courthouse, and approximately 4.3 miles (6.9 km) upstream from Big Fossil Creek.

DRAINAGE AREA.--12.3 mi² (31.9 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 548.62 ft (167.219 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 6.15 ft³/s (0.174 m³/s), 6.79 in/yr (172 mm/yr), 4,460 acre-ft/yr (5.50 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,360 ft³/s (152 m³/s) July 25 (gage height, 12.22 ft or 3.725 m), from rating curve extended as explained below; no flow July 19-23, Sept. 5-14.

Period of record: Maximum discharge, 5,360 ft³/s (152 m³/s) July 25, 1975 (gage height, 12.22 ft or 3.725 m), from rating curve extended above 1,400 ft³/s (39.6 m³/s) on basis of contracted-opening measurement of peak flow; no flow at times each year.

Maximum stage since 1900 occurred Apr. 25, 1922 (gage height and discharge unknown), from information by local residents. The second highest flood, about 13 ft (4.0 m), occurred Apr. 21, 1942 (discharge unknown), from information by local residents. Floods in 1926, 1935, 1949, and 1955, had stages slightly less than that of the July 25, 1975, flood from newspaper articles and local residents.

REMARKS.--Records good below 200 ft³/s (5.66 m³/s) and fair above. Flow is slightly regulated by several small farm ponds located on tributaries above station. Low flow is sustained at times by effluent from industrial park 2.6 miles (4.2 km) upstream. Three recording rain gages are operated in basin above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	25	2.3	3.6	328	3.0	1.8	2.0	5.0	1.8	3.0	.06
2	2.0	11	2.3	18	46	2.3	1.5	0.6	3.2	.28	2.6	.04
3	1.5	8.9	2.6	14	42	1.8	1.3	2.6	3.0	7.5	2.3	.03
4	1.3	12	2.3	6.2	27	1.8	1.3	1.5	2.6	3.2	5.0	.01
5	1.3	8.9	2.6	4.2	37	1.5	1.3	1.1	2.0	1.1	2.3	0
6	1.1	6.2	5.0	3.2	11	1.5	1.3	1.1	1.8	.42	1.5	0
7	.84	5.8	3.0	3.0	7.1	1.5	.67	1.1	3.0	.28	1.1	0
8	1.3	6.2	2.3	2.3	6.2	1.1	225	.98	8.9	.11	.98	0
9	.84	7.5	2.0	2.0	4.6	1.8	13	.84	9.4	.03	.71	0
10	.71	268	6.6	2.3	4.2	3.0	7.5	.71	75	.04	.60	0
11	.84	21	15	1.8	3.9	3.0	6.6	6.6	8.4	.22	.60	0
12	.71	11	5.8	1.5	3.2	4.2	5.0	4.6	4.6	.35	.51	0
13	.98	8.0	4.6	1.1	3.2	8.9	5.4	2.0	3.2	.11	.42	0
14	94	6.2	3.9	.98	3.2	5.0	6.6	15	2.3	.08	.22	0
15	20	5.4	3.2	.98	3.2	3.2	4.6	7.1	1.8	.04	.22	3.9
16	8.0	5.0	3.0	.98	3.9	4.2	3.6	2.6	1.1	.06	.17	5.8
17	5.8	4.6	2.6	.98	3.2	3.2	3.2	1.3	.84	.04	4.6	.98
18	4.2	4.2	2.6	.84	2.3	3.2	3.2	1.3	.98	.01	1.3	.14
19	3.2	4.2	2.0	.84	2.3	2.6	2.6	1.3	.84	0	.51	.06
20	2.3	3.6	2.0	.84	2.6	2.3	2.3	5.4	.84	0	.42	.03
21	3.0	3.2	2.0	.84	3.0	2.0	2.0	4.6	.84	0	.17	.02
22	2.3	3.0	2.0	.71	6.2	2.0	2.3	1.5	.71	0	.60	.01
23	2.0	3.6	2.0	.60	11	2.0	2.0	36	.60	0	.71	.01
24	2.3	15	2.0	.71	10	1.8	1.8	8.4	.60	9.0	.28	.01
25	3.0	5.0	2.0	.84	6.6	1.8	1.8	6.2	.60	718	.14	.01
26	2.0	3.9	6.2	.71	5.0	2.3	1.3	3.2	.60	19	.11	.02
27	1.8	2.6	3.2	.71	3.6	5.0	1.3	4.2	.60	5.8	.35	.03
28	9.4	2.6	2.0	.71	3.2	4.2	3.2	31	.42	3.9	.28	.02
29	5.8	3.2	2.0	.71	---	2.6	1.5	23	.35	6.6	.22	.01
30	23	3.0	2.6	.84	---	2.0	1.3	37	.28	10	.14	.01
31	481	---	5.8	40	---	1.8	---	8.4	---	4.2	.08	---
TOTAL	688.52	477.8	107.5	117.02	592.7	86.6	382.6	229.23	144.40	792.17	32.14	11.20
MEAN	22.2	15.9	3.47	3.77	21.2	2.79	12.8	7.39	4.81	25.6	1.04	.37
MAX	481	268	15	40	328	8.9	225	37	75	718	5.0	5.8
MIN	.71	2.6	2.0	.60	2.3	1.1	1.3	.71	.28	0	.08	0
CFSM	1.80	1.29	.28	.31	1.72	.23	1.04	.60	.39	2.08	.08	.03
IN.	2.08	1.45	.33	.35	1.79	.26	1.16	.69	.44	2.40	.10	.03
AC-FT	1370	948	213	232	1180	172	759	455	286	1570	64	22
(††)	5.54	2.63	1.37	1.70	2.75	1.30	3.38	6.21	2.18	7.65	1.13	1.46

CAL YR 1974 TOTAL 2542.42 MEAN 6.97 MAX 481 MIN 0 CFSM .57 IN 7.69 AC-FT 5040 †† 33.93
WTR YR 1975 TOTAL 3661.88 MEAN 10.0 MAX 718 MIN 0 CFSM .81 IN 11.07 AC-FT 7260 †† 37.30

PEAK DISCHARGE (BASE, 290 FT³/S)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
10-31	0800	8.02	1,380	4- 8	0200	6.47	864
11-10	0615	6.07	648	7-25	0745	12.22	5,360
2- 1	0300	6.76	955				

†† Weighted-mean rainfall, in inches, based on three rain gages.

MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS, 1975 WATER YEAR

Station	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
08048550	Dry Branch at Blandin Street, Fort Worth, Tex. <u>1/</u>	Lat 32°47'19", long 97°18'22", Tarrant County, at culvert on Blandin Street in north Fort Worth and 2.82 miles upstream from mouth.	1.08	1969-75	7-25-75	591.59	570
08048820	Little Fossil Creek at Interstate Highway 820, Fort Worth, Tex. <u>1/</u>	Lat 32°50'22", long 97°19'20", Tarrant County, at culvert on south access road to Interstate Highway 820, 5.7 miles north of Tarrant County courthouse, Fort Worth, and 7.55 miles upstream from mouth.	5.64	1969-75	7-25-75	615.69	1,260

1/ Equipped with stage-rainfall recorder.

FORT WORTH URBAN HYDROLOGY STUDY

DAILY AND MONTHLY RAINFALL SUMMARY

PERIOD : 1975 WATER YEAR

G A G E N U M B E R

SYCAMORE CREEK | SYCAMORE CR TRIB | DRY BRANCH | LITTLE FOSSIL CREEK

DATE

1-SC	2-SC	3-SC	1-ST	2-ST	1-DR	2-DR	1-LF	2-LF	3-LF
0.59	0.61	0.42	0.90	0.64	0.89	0.74	1.16	0.97	0.90
1.62	1.78	1.79	2.16	1.73	1.34	1.50	1.08	1.17	1.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
0.15	0.15	0.13	0.17	0.14	0.11	0.14	0.15	0.15	0.10
1.22	1.20	0.89	1.10	1.07	0.65	0.96	0.60	0.64	0.64
0.42	0.40	0.42	0.67	0.51	1.05	0.50	0.56	0.77	1.17
1.06	1.07	1.04	1.40	1.18	1.55	1.25	1.74	1.65	1.62

MTOT | 5.06 | 5.21 | 4.69 | 6.40 | 5.27 | 5.59 | 5.09 | 5.29 | 5.44 | 5.82

NOV

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.10	0.16	0.13	0.00	0.00	0.04	0.03	0.50	0.20	0.18
0.29	0.20	0.26	0.45	0.34	0.16	0.10	0.00	0.00	0.00
0.19	0.20	0.19	0.36	0.17	0.14	0.17	0.15	0.14	0.15
0.45	0.48	0.49	0.60	0.51	0.74	0.72	0.70	0.71	0.80
0.59	0.63	0.64	0.83	0.68	1.08	1.15	0.85	0.86	0.91
0.45	0.45	0.36	0.49	0.28	0.18	0.27	0.65	0.38	0.23
0.15	0.15	0.09	0.21	0.21	0.15	0.13	0.16	0.11	0.15

MTOT | 2.22 | 2.36 | 2.16 | 2.94 | 2.19 | 2.49 | 2.66 | 3.01 | 2.47 | 2.42

DEC

0.09	0.10	0.04	0.10	0.16	0.23	0.22	0.20	0.21	0.21
0.58	0.60	0.57	0.95	0.67	0.63	0.60	0.60	0.55	0.56
0.06	0.05	0.03	0.09	0.05	0.11	0.13	0.12	0.15	0.10
0.19	0.19	0.18	0.25	0.23	0.34	0.23	0.22	0.23	0.25
0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00
0.05	0.06	0.08	0.08	0.06	0.00	0.00	0.06	0.05	0.05
0.10	0.09	0.14	0.12	0.15	0.20	0.22	0.11	0.11	0.12
0.10	0.07	0.03	0.12	0.05	0.05	0.00	0.06	0.05	0.05

MTOT | 1.17 | 1.16 | 1.07 | 1.71 | 1.37 | 1.61 | 1.65 | 1.43 | 1.35 | 1.34

CTOT | 32.07 | 34.02 | 30.18 | 37.87 | 33.67 | 35.01 | 35.03 | 33.51 | 32.68 | 35.10

MTOT=MONTHLY TOTALS

CTOT=CALENDAR YEAR TOTALS

F O R T W O R T H U R B A N H Y D R O L O G Y S T U D Y

PERIOD : 1975 WATER YEAR

DAILY AND MONTHLY RAINFALL SUMMARY

G A G E N U M B E R

SYCAMORE CREEK | SYCAMORE CR TRIB | DRY BRANCH | LITTLE FOSSIL CREEK

DATE

1-SC | 2-SC | 3-SC | 1-ST | 2-ST | 1-DB | 2-DB | 1-LF | 2-LF | 3-LF

JAN

1	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
2	0.46	0.41	0.31	0.67	0.40	0.45	0.42	0.51	0.44	0.42	0.42	0.42
9	0.08	0.08	0.09	0.16	0.11	0.08	0.04	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.03	0.00	0.00	0.00
30	0.09	0.07	0.05	0.11	0.08	0.10	0.07	0.06	0.07	0.20	0.20	0.20
31	2.94	3.14	2.82	2.69	2.71	1.48	1.48	0.96	1.19	1.10	1.10	1.10

MTOT | 3.57 | 3.70 | 3.27 | 3.63 | 3.30 | 2.11 | 2.06 | 1.65 | 1.73 | 1.72

FEB

1	2.08	1.74	1.50	1.69	1.62	1.84	1.75	1.34	1.72	1.90	1.90	1.90
2	0.24	0.22	0.20	0.23	0.24	0.23	0.25	0.31	0.00	0.40	0.40	0.40
3	0.16	0.14	0.13	0.24	0.10	0.15	0.15	0.12	0.11	0.17	0.17	0.17
4	0.07	0.07	0.07	0.14	0.14	0.19	0.17	0.23	0.20	0.17	0.17	0.17
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.15	0.15	0.15
22	0.08	0.03	0.02	0.03	0.03	0.10	0.10	0.41	0.23	0.17	0.17	0.17
23	0.20	0.10	0.02	0.26	0.19	0.14	0.26	0.15	0.05	0.15	0.15	0.15

MTOT | 2.83 | 2.30 | 1.94 | 2.59 | 2.32 | 2.65 | 2.68 | 2.56 | 2.42 | 3.11

MAR

3	0.00	0.00	0.00	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.19	0.12	0.15	0.11	0.07	0.20	0.15	0.17	0.15	0.20	0.20	0.20
12	0.06	0.08	0.04	0.10	0.07	0.18	0.19	0.20	0.20	0.21	0.21	0.21
13	0.30	0.29	0.24	0.26	0.25	0.25	0.35	0.23	0.34	0.30	0.30	0.30
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.11	0.11	0.11	0.11
15	0.14	0.14	0.16	0.11	0.12	0.21	0.25	0.04	0.03	0.05	0.05	0.05
17	0.15	0.08	0.08	0.11	0.10	0.01	0.01	0.00	0.00	0.00	0.00	0.00
26	0.34	0.49	0.45	0.47	0.40	0.36	0.41	0.20	0.20	0.29	0.29	0.29
27	0.35	0.26	0.20	0.28	0.22	0.14	0.14	0.09	0.20	0.15	0.15	0.15
28	0.05	0.06	0.08	0.03	0.05	0.00	0.00	0.10	0.10	0.06	0.06	0.06
29	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MTOT | 1.49 | 1.52 | 1.45 | 1.53 | 1.33 | 1.35 | 1.54 | 1.20 | 1.33 | 1.37

MTOT=MONTHLY TOTALS

F O R T W O R T H U R B A N H Y D R O L O G Y S T U D Y

DAILY AND MONTHLY RAINFALL SUMMARY

PERIOD : 1975 WATER YEAR

G A G E N U M B E R

SYCAMORE CREEK | SYCAMORE CR TRIB | DRY BRANCH | LITTLE FOSSIL CREEK

DATE	1-SC	2-SC	3-SC	1-ST	2-ST	1-DB	2-DB	1-LF	2-LF	3-LF
APR										
7	2.49	2.52	2.16	2.81	2.56	2.64	2.82	2.72	2.77	2.48
8	0.20	0.23	0.38	0.19	0.24	0.26	0.23	0.26	0.29	0.23
10	0.07	0.00	0.08	0.11	0.09	0.06	0.06	0.14	0.10	0.08
13	0.35	0.27	0.32	0.41	0.35	0.21	0.20	0.16	0.20	0.15
28	0.22	0.38	0.57	0.29	0.27	0.15	0.10	0.15	0.16	0.32
29	0.03	0.06	0.22	0.10	0.11	0.00	0.00	0.00	0.00	0.00
MTOT	3.36	3.46	3.73	3.91	3.62	3.32	3.41	3.43	3.52	3.26

MAY										
2	0.37	0.45	0.40	0.46	0.40	0.69	0.55	0.40	0.50	0.75
11	0.80	0.80	0.75	1.72	1.28	0.58	0.65	0.71	0.49	0.89
13	0.30	0.30	0.20	0.30	0.17	0.12	0.25	0.48	0.29	0.21
14	0.10	0.06	0.15	0.17	0.20	0.51	0.49	0.57	0.80	0.86
15	0.06	0.06	0.09	0.11	0.06	0.05	0.10	0.05	0.05	0.10
16	0.05	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.70	0.80	0.82	0.67	0.56	0.51	0.51	0.52	0.54	0.49
23	1.49	1.38	1.68	1.00	1.51	1.15	1.35	1.32	1.23	1.15
24	0.07	0.06	0.08	0.06	0.05	0.00	0.00	0.25	0.09	0.03
27	0.39	0.39	0.02	0.47	0.42	0.00	1.10	0.14	0.49	0.64
28	1.15	1.35	1.21	1.08	1.02	1.10	0.67	0.81	0.41	0.60
29	0.76	0.61	0.60	0.87	0.59	0.41	0.71	0.83	0.49	0.59
30	0.00	0.00	0.09	0.03	0.03	0.19	0.23	0.26	0.31	0.10
MTOT	6.19	6.32	6.14	6.94	6.29	5.31	6.61	6.34	5.69	6.41

JUN										
1	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2.60	2.69	1.70	1.95	1.96	1.10	1.20	0.60	0.71	1.15
9	0.00	0.00	0.16	0.00	0.08	0.30	0.05	0.00	0.00	0.55
10	1.04	0.91	1.02	1.13	1.19	0.90	0.79	1.16	0.89	0.88
30	0.00	0.00	0.00	0.00	0.00	0.11	0.23	0.07	0.12	0.16
MTOT	3.69	3.64	2.88	3.08	3.23	2.41	2.27	1.83	1.72	2.74

MTOT=MONTHLY TOTALS

F O R T W O R T H U R B A N H Y D R O L O G Y S T U D Y

DAILY AND MONTHLY RAINFALL SUMMARY

PERIOD : 1975 WATER YEAR

G A G E N U M B E R

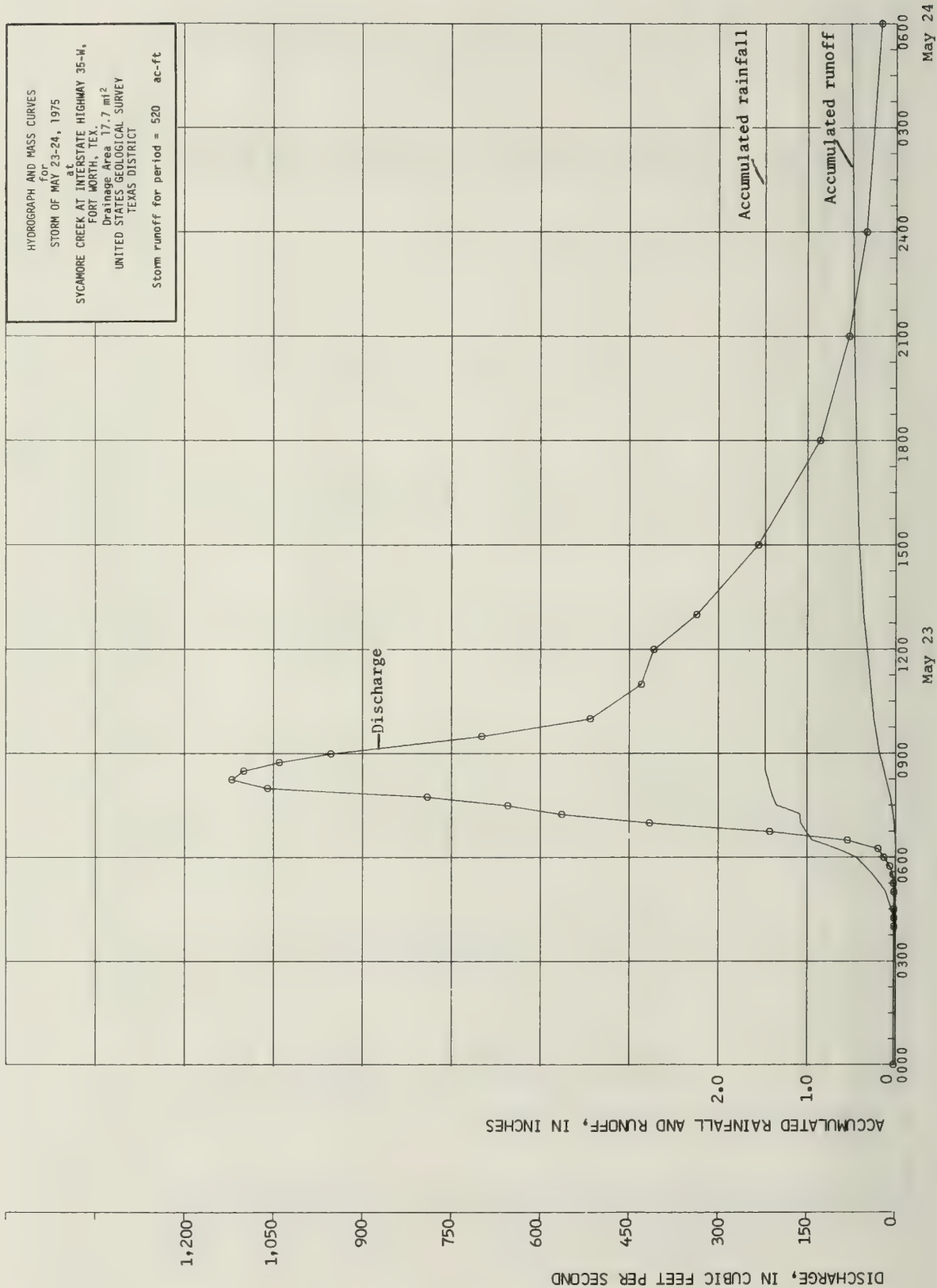
SYCAMORE CREEK | SYCAMORE CR TRIB | DRY BRANCH | LITTLE FOSSIL CREEK

DATE	1-SC	2-SC	3-SC	1-ST	2-ST	1-DB	2-DB	1-LF	2-LF	3-LF
JUL										
2	0.00	0.00	0.00	0.04	0.07	0.00	0.00	0.00	0.00	0.00
3	0.79	0.89	0.10	0.05	0.02	0.28	0.05	0.31	1.03	1.31
4	0.00	0.00	0.00	0.00	0.00	0.27	0.40	0.00	0.00	0.00
10	0.05	0.04	0.03	0.07	0.04	0.00	0.00	0.32	0.11	0.07
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
14	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
24	1.32	1.13	0.70	0.90	0.66	1.81	0.35	0.45	1.00	1.89
25	1.31	1.31	2.08	2.11	1.88	5.97	5.21	3.48	4.85	5.76
29	0.09	0.00	0.04	0.02	0.16	0.30	0.10	0.87	0.71	0.36
MTOT	3.47	3.37	2.95	3.19	2.83	8.70	6.16	5.43	7.70	9.45
AUG										
2	0.05	0.04	0.03	0.03	0.07	0.11	0.50	0.34	0.05	0.11
3	0.00	0.12	0.30	0.61	0.47	0.00	0.00	0.00	0.15	0.25
4	0.09	0.05	0.10	0.04	0.29	0.14	0.74	0.00	0.00	0.00
16	0.09	0.00	0.00	0.02	0.06	0.24	0.00	0.00	0.00	0.05
17	0.02	0.00	0.00	0.00	0.00	0.63	0.70	0.32	0.41	0.57
22	0.15	0.30	0.88	1.22	1.35	0.50	0.65	0.12	0.18	0.20
26	1.00	0.75	0.00	0.00	0.00	0.05	0.05	0.05	0.09	0.05
27	0.00	0.00	0.00	0.09	0.03	0.13	0.05	0.17	0.19	0.05
MTOT	1.22	1.26	1.31	2.91	2.27	1.80	2.78	1.00	1.07	1.28
SEPT										
12	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00
13	0.15	0.10	0.02	0.03	0.05	0.06	0.04	0.07	0.15	0.00
15	0.43	0.70	1.84	0.80	1.35	1.29	0.60	1.23	1.09	1.53
21	0.13	0.17	0.06	0.15	0.11	0.00	0.00	0.07	0.11	0.08
MTOT	0.71	0.97	1.92	1.04	1.57	1.26	0.79	1.37	1.35	1.61
WTOT	34.98	35.27	33.51	38.97	35.59	38.60	37.74	34.54	35.79	40.53

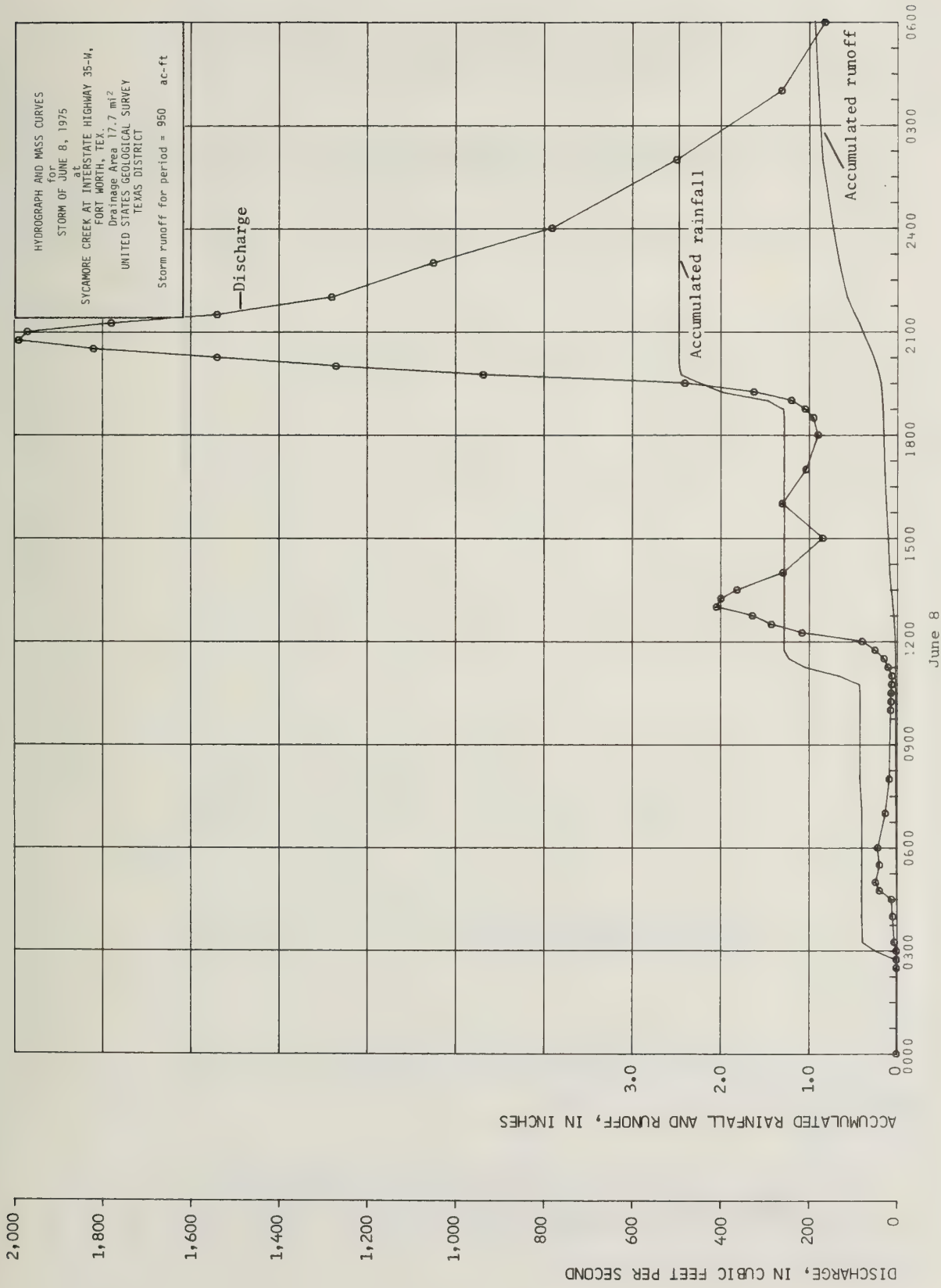
MTOT=MONTHLY TOTALS
WTOT=WATER YEAR TOTAL

STATION 0. 08048528									
STORM RAINFALL AND RUNOFF RECORD									
SYCAMORE CREEK AT INTERSTATE HWY 15-N, FORT WORTH, TEX. STORM OF MAY 23-24, 1975									
DATE & TIME	G A G E				ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN			
	1-SC	2-SC	3-SC	FT ³ /S		IN	FT ³ /S	IN	ACCUM. RUNOFF
MAY 23									
0000	0.0	0.0	0.0		0.0		3.5		0.0006
0400	0.0	0.0	0.0		0.0		3.1		0.0012
0415	0.03	0.02	0.0		0.02		3.1		0.0013
0430	0.06	0.05	0.02		0.05		3.1		0.0014
0500	0.17	0.11	0.02		0.11		3.1		0.0015
0515	0.24	0.14	0.08		0.14		3.9		0.0015
0530	0.36	0.25	0.11		0.26		4.7		0.0016
0545	0.45	0.30	0.30		0.35		10.0		0.0019
0600	0.52	0.34	0.49		0.45		20.0		0.0023
0615	0.73	0.62	0.60		0.67		30.0		0.0030
0630	1.04	0.84	0.92		0.95		82.0		0.0048
0645	1.06	0.95	1.10		1.01		213.0		0.0094
0700	1.09	0.99	1.26		1.07		416.0		0.0185
0715	1.37	1.00	1.27		1.04		564.0		0.0309
0730	1.37	1.25	1.55		1.35		655.0		0.0452
0745	1.40	1.29	1.61		1.39		791.0		0.0625
0800	1.43	1.32	1.64		1.42		1060.0		0.0857
0815	1.45	1.35	1.66		1.44		1120.0		0.1102
0830	1.44	1.38	1.68		1.47		1100.0		0.1343
0845	1.49	1.34	1.64		1.47		1040.0		0.1571
0900	1.49	1.38	1.68		1.47		953.0		0.1884
0930	1.49	1.38	1.68		1.47		699.0		0.2190
1000	1.49	1.34	1.64		1.47		516.0		0.2528
1100	1.49	1.34	1.64		1.47		430.0		0.2905
1200	1.49	1.34	1.64		1.47		404.0		0.3263
1300	1.49	1.34	1.64		1.47		337.0		0.3705
1500	1.49	1.34	1.64		1.47		233.0		0.4215
1600	1.49	1.34	1.64		1.47		129.0		0.4554
2100	1.49	1.34	1.64		1.47		80.0		0.4764
2400	1.49	1.34	1.64		1.47		51.0		0.4898
MAY 24									
0000	1.49	1.34	1.64		1.47		51.0		0.4898
0500	1.49	1.33	1.64		1.47		25.0		0.5097
1200	1.49	1.34	1.64		1.47		17.0		0.5164
1500	1.52	1.42	1.75		1.52		16.0		0.5213
1900	1.54	1.44	1.76		1.54		17.0		0.5280
2400	1.54	1.44	1.76		1.54		14.0		0.5319
MAY 25									
0000	1.54	1.44	1.76		1.54		14.0		0.5319
0300	1.54	1.44	1.76		1.54		12.0		0.5360
0600	1.54	1.44	1.75		1.54		15.0		0.5419

STORM RAINFALL AND RUNOFF RECORD									
1975 WATER YEAR									
STATION NO. 08045520									
SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX. STORM OF MAY 23-24, 1975									
DATE & TIME	G A G E			N U M B E R			ACCUM. WEIGHTED PRECIP.		
	1-SC	2-SC	3-SC				IN.	FT ³ /S	IN.
DAY 25									
1200	1.55	1.44	1.76				1.54	12.0	0.5514
2400	1.55	1.44	1.76				1.54	7.2	0.5552



STORM RAINFALL AND RUNOFF RECORD									
SIA. NO. 0804852		1975 WATER YEAR							
SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX. STORM OF JUNE 8, 1975									
DATE & TIME	G A G E N U M B E R				ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S IN.			
	1-SC	2-SC	3-SC						
JUNE 8									
0000	0.0	0.0	0.0		0.0		1.5	0.0002	
0230	0.0	0.0	0.0		0.0		1.5	0.0003	
0245	0.02	0.01	0.0		0.01		1.5	0.0004	
0300	0.25	0.24	0.11		0.24		1.5	0.0004	
0315	0.34	0.50	0.22		0.39		6.4	0.0007	
0400	0.35	0.51	0.22		0.40		10.0	0.0012	
0430	0.35	0.51	0.22		0.40		13.0	0.0017	
0445	0.35	0.51	0.22		0.40		40.0	0.0025	
0500	0.35	0.51	0.22		0.40		49.0	0.0041	
0530	0.35	0.51	0.22		0.40		40.0	0.0059	
0600	0.35	0.51	0.22		0.40		44.0	0.0088	
0700	0.35	0.51	0.22		0.40		27.0	0.0112	
0800	0.34	0.53	0.22		0.42		18.0	0.0135	
1000	0.34	0.53	0.22		0.42		15.0	0.0150	
1115	0.34	0.53	0.22		0.42		14.0	0.0153	
1245	0.40	0.53	0.24		0.43		13.0	0.0159	
1100	0.80	0.64	0.36		0.66		12.0	0.0162	
1115	1.24	1.08	0.60		1.04		21.0	0.0166	
1130	1.37	1.30	0.79		1.23		30.0	0.0173	
1145	1.40	1.40	0.79		1.24		51.0	0.0184	
1200	1.40	1.40	0.79		1.28		80.0	0.0201	
1215	1.40	1.40	0.79		1.28		215.0	0.0249	
1230	1.40	1.40	0.79		1.28		285.0	0.0311	
1245	1.40	1.40	0.79		1.24		328.0	0.0383	
1300	1.40	1.40	0.79		1.24		409.0	0.0472	
1315	1.40	1.40	0.79		1.24		399.0	0.0560	
1330	1.40	1.40	0.79		1.24		363.0	0.0679	
1400	1.40	1.40	0.79		1.24		259.0	0.0849	
1500	1.40	1.40	0.79		1.28		149.0	0.0997	
1600	1.40	1.40	0.79		1.28		261.0	0.1225	
1700	1.40	1.40	0.79		1.28		207.0	0.1407	
1800	1.40	1.40	0.79		1.24		180.0	0.1525	
1830	1.40	1.40	0.79		1.24		190.0	0.1547	
1445	1.41	1.41	0.79		1.29		209.0	0.1633	
1400	1.53	1.65	0.89		1.47		240.0	0.1685	
1415	2.04	2.21	1.30		1.94		325.0	0.1757	
1430	2.35	2.44	1.54		2.22		441.0	0.1862	
1445	2.54	2.67	1.65		2.45		437.0	0.2067	



STATION NO. 08048520											
SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX.											
STORM RAINFALL AND RUNOFF RECORD											
STORM OF JUNE 10, 1975											
DATE & TIME	G A G E			N U M B E R			ACCUM. (WEIGHTED) PRECIP.		DISCHARGE IN		ACCUM. RUNOFF IN.
	1-SC	2-SC	3-SC	1	2	3	IN.	IN.	FT ³ /S	IN.	
JUNE 10											
0000	0.0	0.0	0.0				0.0	0.0	21.0		0.0009
0100	0.0	0.0	0.0				0.0	0.0	21.0		0.0023
0130	0.09	0.06	0.11				0.04	0.04	21.0		0.0030
0145	0.29	0.21	0.25				0.24	0.24	25.0		0.0035
0200	0.46	0.35	0.35				0.39	0.39	42.0		0.0045
0215	0.49	0.44	0.42				0.45	0.45	62.0		0.0058
0230	0.55	0.44	0.56				0.52	0.52	91.0		0.0078
0245	0.59	0.50	0.60				0.55	0.55	129.0		0.0106
0300	0.62	0.55	0.65				0.59	0.59	209.0		0.0152
0315	0.66	0.57	0.70				0.62	0.62	285.0		0.0214
0330	0.70	0.61	0.73				0.66	0.66	313.0		0.0283
0345	0.76	0.67	0.82				0.73	0.73	325.0		0.0354
0400	0.87	0.79	0.90				0.84	0.84	363.0		0.0473
0430	1.03	0.91	1.02				0.97	0.97	528.0		0.0704
0500	1.04	0.91	1.02				0.97	0.97	676.0		0.1000
0530	1.04	0.91	1.02				0.97	0.97	865.0		0.1284
0545	1.04	0.91	1.02				0.97	0.97	885.0		0.1478
0600	1.04	0.91	1.02				0.97	0.97	865.0		0.1951
0700	1.04	0.91	1.02				0.97	0.97	712.0		0.2575
0800	1.04	0.91	1.02				0.97	0.97	592.0		0.3093
0900	1.04	0.91	1.02				0.97	0.97	536.0		0.3562
1000	1.04	0.91	1.02				0.97	0.97	452.0		0.4156
1200	1.04	0.91	1.02				0.97	0.97	280.0		0.4646
1400	1.04	0.91	1.02				0.97	0.97	180.0		0.4961
1600	1.04	0.91	1.02				0.97	0.97	128.0		0.5185
1800	1.04	0.91	1.02				0.97	0.97	94.0		0.5391
2100	1.04	0.91	1.02				0.97	0.97	66.0		0.5564
2400	1.04	0.91	1.02				0.97	0.97	46.0		0.5685
JUNE 11											
0000	1.04	0.91	1.02				0.97	0.97	46.0		0.5685
0600	1.04	0.91	1.02				0.97	0.97	27.0		0.5887
1200	1.04	0.91	1.02				0.97	0.97	21.0		0.5998
1800	1.04	0.91	1.02				0.97	0.97	16.0		0.6082
2400	1.04	0.91	1.02				0.97	0.97	14.0		0.6118

DISCHARGE, IN CUBIC FEET PER SECOND

1,000
900
800
700
600
500
400
300
200
100
0

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES

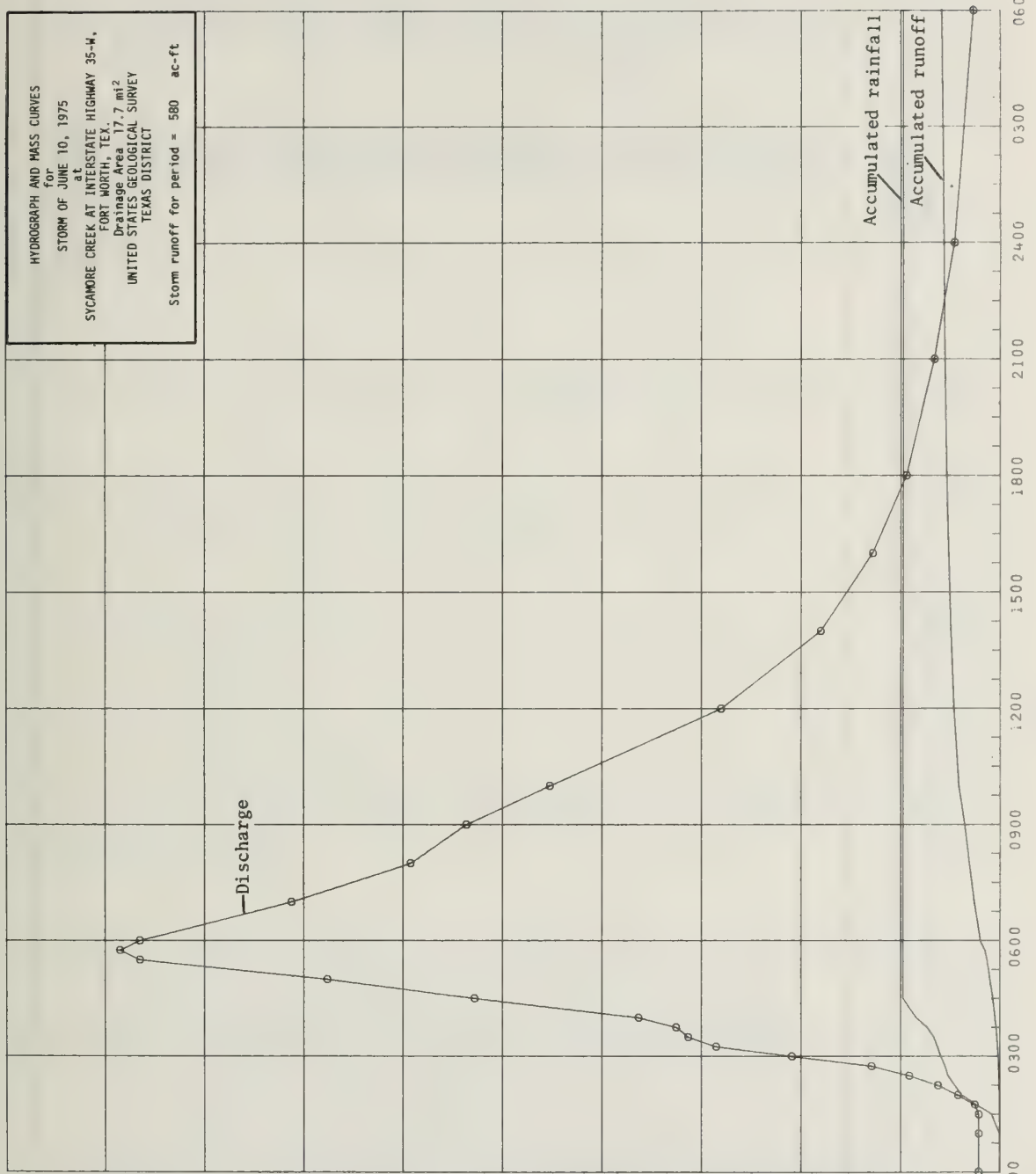
2.0
1.0
0.0

June 10

Discharge

Accumulated rainfall

Accumulated runoff



HYDROGRAPH AND MASS CURVES
for
STORM OF JUNE 10, 1975
at
SYCAMORE CREEK AT INTERSTATE HIGHWAY 35-W,
FORT WORTH, TEX.
Drainage Area 17.7 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT

Storm runoff for period = 580 ac-ft

STORM RAINFALL AND RUNOFF RECORD									
STATION NO. 0804853C									
SYCAMORE CK TRIB ARV SEM. S. SHOP. CENTER, FT WORTH, TEX									
STORM OF MAY 11, 1975									
DATE & TIME	1-ST	2-ST	GAGE	NUMBER	PRECIP.	ACCUM.	DISCHARGE	IN	IN.
MAY 11									
0000	0.0	0.0			0.0	0.0	0.1		0.0008
0940	0.0	0.0			0.0	0.0	0.1		0.0016
0945	0.04	0.04			0.08	0.08	0.1		0.0016
0950	0.17	0.17			0.15	0.15	0.1		0.0016
0955	0.36	0.12			0.31	0.31	0.1		0.0016
1000	0.65	0.17			0.54	0.54	8.2		0.0027
1005	0.86	0.21			0.72	73.0			0.0124
1010	1.05	0.35			0.91	157.0			0.0333
1015	1.24	0.52			1.08	227.0			0.0635
1020	1.31	0.63			1.16	243.0			0.0959
1025	1.37	0.78			1.24	197.0			0.1221
1030	1.41	0.95			1.31	197.0			0.1483
1035	1.42	1.02			1.33	177.0			0.1719
1040	1.42	1.05			1.34	145.0			0.1912
1045	1.43	1.07			1.35	107.0			0.2054
1050	1.44	1.09			1.36	74.0			0.2153
1055	1.45	1.10			1.37	52.0			0.2222
1100	1.46	1.11			1.38	39.0			0.2274
1105	1.47	1.11			1.39	28.0			0.2311
1110	1.48	1.12			1.40	22.0			0.2341
1115	1.49	1.12			1.41	19.0			0.2366
1120	1.49	1.13			1.41	18.0			0.2390
1125	1.50	1.14			1.42	16.0			0.2411
1130	1.50	1.15			1.42	16.0			0.2454
1145	1.53	1.17			1.45	13.0			0.2506
1200	1.56	1.17			1.47	11.0			0.2550
1215	1.57	1.21			1.49	9.4			0.2587
1230	1.58	1.23			1.51	8.2			0.2636
1300	1.65	1.24			1.56	6.8			0.2691
1330	1.67	1.26			1.58	5.3			0.2722
1345	1.70	1.27			1.61	8.2			0.2755
1400	1.72	1.28			1.62	7.4			0.2799
1430	1.72	1.28			1.62	5.6			0.2844
1500	1.72	1.28			1.62	3.0			0.2880
1600	1.72	1.28			1.62	1.2			0.2899
1700	1.72	1.28			1.62	0.8			0.2918
1900	1.72	1.28			1.62	0.5			0.2934
2100	1.72	1.28			1.62	0.2			0.2942
2400	1.72	1.28			1.62	0.2			0.2947

DISCHARGE, IN CUBIC FEET PER SECOND

250

225

200

175

150

125

100

75

50

25

0

-45-

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES

2.0

1.0

0.0

0.00

0.30

0.60

0.90

1.20

1.50

1.80

2.10

2.40

2.70

3.00

3.30

3.60

3.90

4.20

4.50

4.80

5.10

5.40

5.70

6.00

6.30

6.60

6.90

7.20

7.50

7.80

8.10

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9.30

9.60

9.90

10.20

10.50

10.80

11.10

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11.70

12.00

12.30

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15.00

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41.10

41.40

41.70

42.00

42.30

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46.20

46.50

46.80

47.10

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47.70

48.00

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72.90

73.20

73.50

73.80

74.10

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80.10

80.40

80.70

81.00

81.30

81.60

81.90

82.20

82.50

82.80

83.10

83.40

83.70

84.00

84.30

84.60

84.90

85.20

85.50

85.80

86.10

86.40

86.70

87.00

87.30

87.60

87.90

88.20

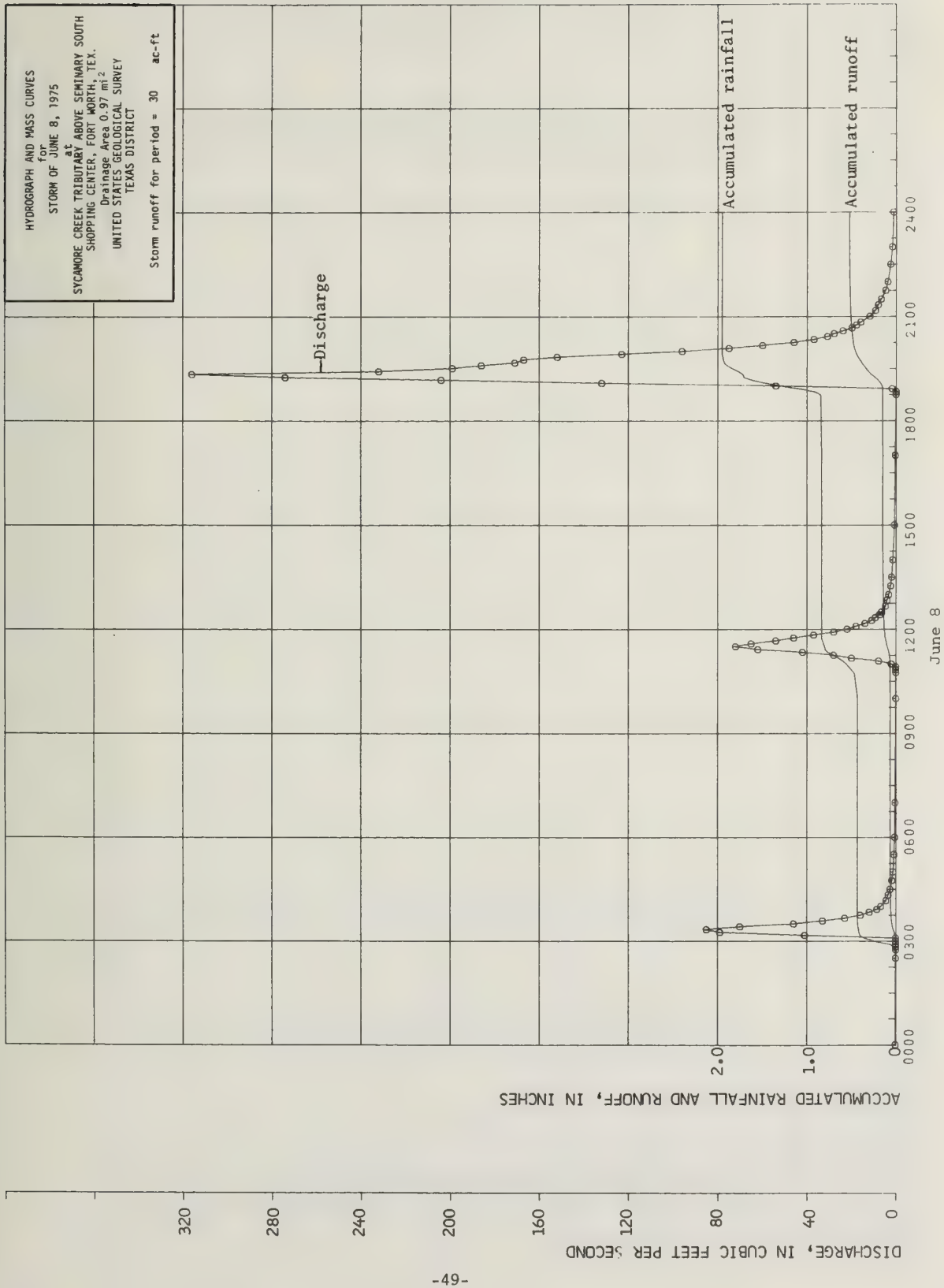
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88.80

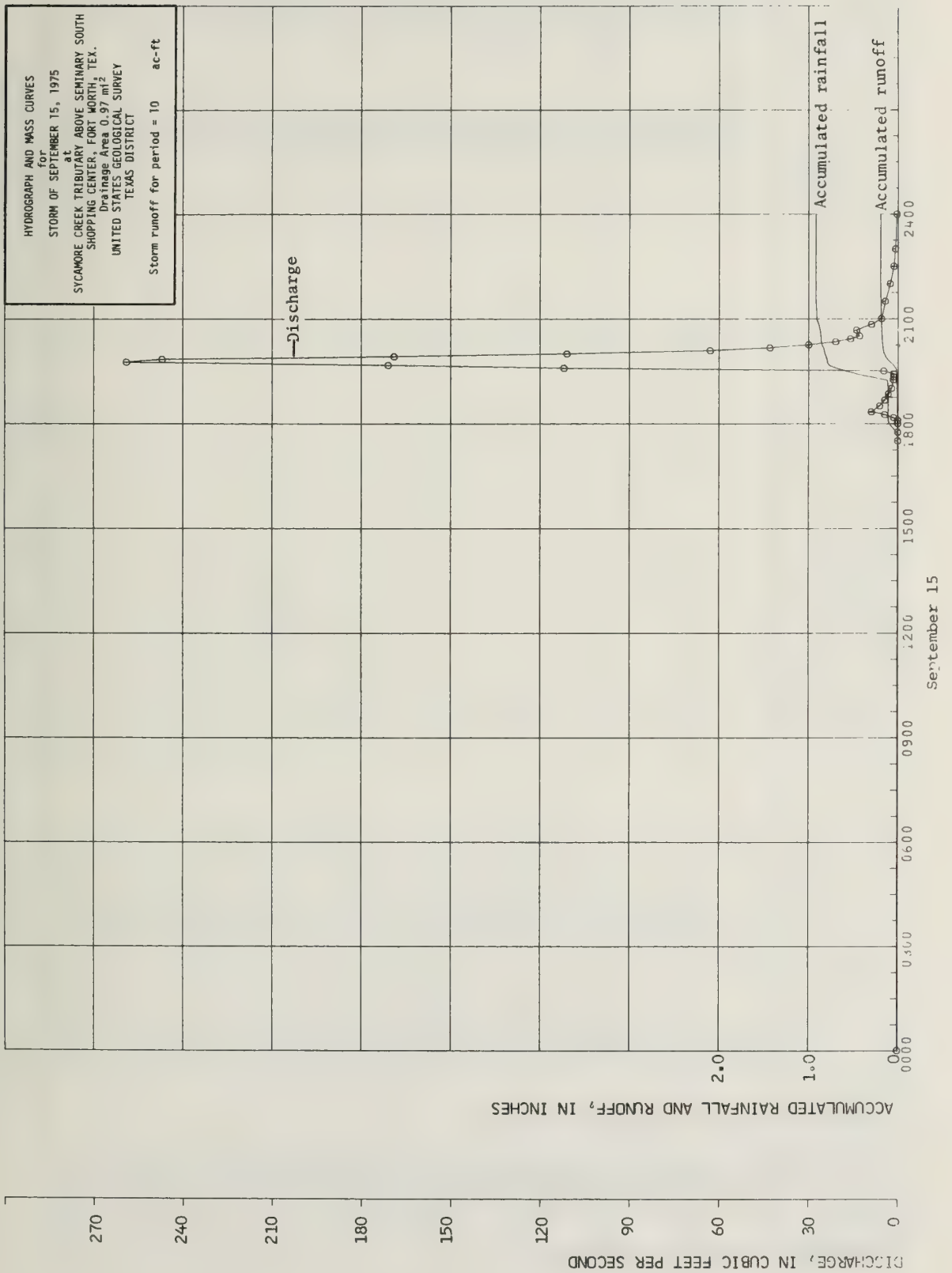
89

STORM RAINFALL AND RUNOFF RECORD												1975 WATER YEAR			
STA. NO. 3804853															
SYCAMORE CK TRIB ARV SEM. S. SHOP. CENTER. FT WORTH, TEX															
STORM OF JUNE 8, 1975															
DATE & TIME	1-ST		2-ST		GAGE		NUMBER		PRECIP.	IN.	FT ³ /S	DISCHARGE	ACCUM.	ACCUM.	RUNOFF
JUNE 8															
0000	0.0	0.0							0.0			0.2	0.0004		
0230	0.0	0.0							0.0			0.2	0.0008		
0245	0.01	0.0							0.01			0.2	0.0009		
0250	0.02	0.0							0.02			0.2	0.0009		
0255	0.04	0.01							0.07			0.2	0.0009		
0300	0.26	0.13							0.23			0.2	0.0010		
0305	0.34	0.19							0.35			0.2	0.0010		
0310	0.43	0.30							0.40			41.0	0.0065		
0315	0.44	0.33							0.42			79.0	0.0170		
0320	0.44	0.34							0.42			85.0	0.0283		
0325	0.45	0.35							0.43			70.0	0.0376		
0330	0.45	0.36							0.43			46.0	0.0437		
0335	0.45	0.37							0.43			33.0	0.0481		
0340	0.45	0.37							0.43			23.0	0.0512		
0345	0.45	0.37							0.43			16.0	0.0533		
0350	0.45	0.37							0.43			12.0	0.0549		
0355	0.45	0.37							0.43			8.6	0.0561		
0400	0.45	0.37							0.43			6.8	0.0574		
0410	0.45	0.37							0.43			4.5	0.0586		
0420	0.45	0.37							0.43			3.5	0.0595		
0430	0.45	0.37							0.43			2.7	0.0604		
0445	0.45	0.37							0.43			1.8	0.0612		
0500	0.45	0.37							0.43			1.3	0.0619		
0530	0.45	0.37							0.43			0.9	0.0627		
0600	0.45	0.37							0.43			0.6	0.0634		
0700	0.45	0.37							0.43			0.5	0.0650		
1000	0.45	0.37							0.43			0.2	0.0656		
1045	0.50	0.37							0.47			0.2	0.0657		
1050	0.53	0.34							0.50			0.2	0.0657		
1055	0.56	0.40							0.52			0.2	0.0658		
1100	0.54	0.43							0.55			2.2	0.0661		
1105	0.63	0.45							0.59			7.8	0.0671		
1110	0.64	0.49							0.64			20.0	0.0698		
1115	0.74	0.53							0.69			28.0	0.0735		
1120	0.82	0.57							0.76			42.0	0.0791		
1125	0.85	0.60							0.79			62.0	0.0873		
1130	0.85	0.63							0.80			72.0	0.0969		
1135	0.86	0.65							0.81			65.0	0.1056		
1140	0.87	0.67							0.83			54.0	0.1128		

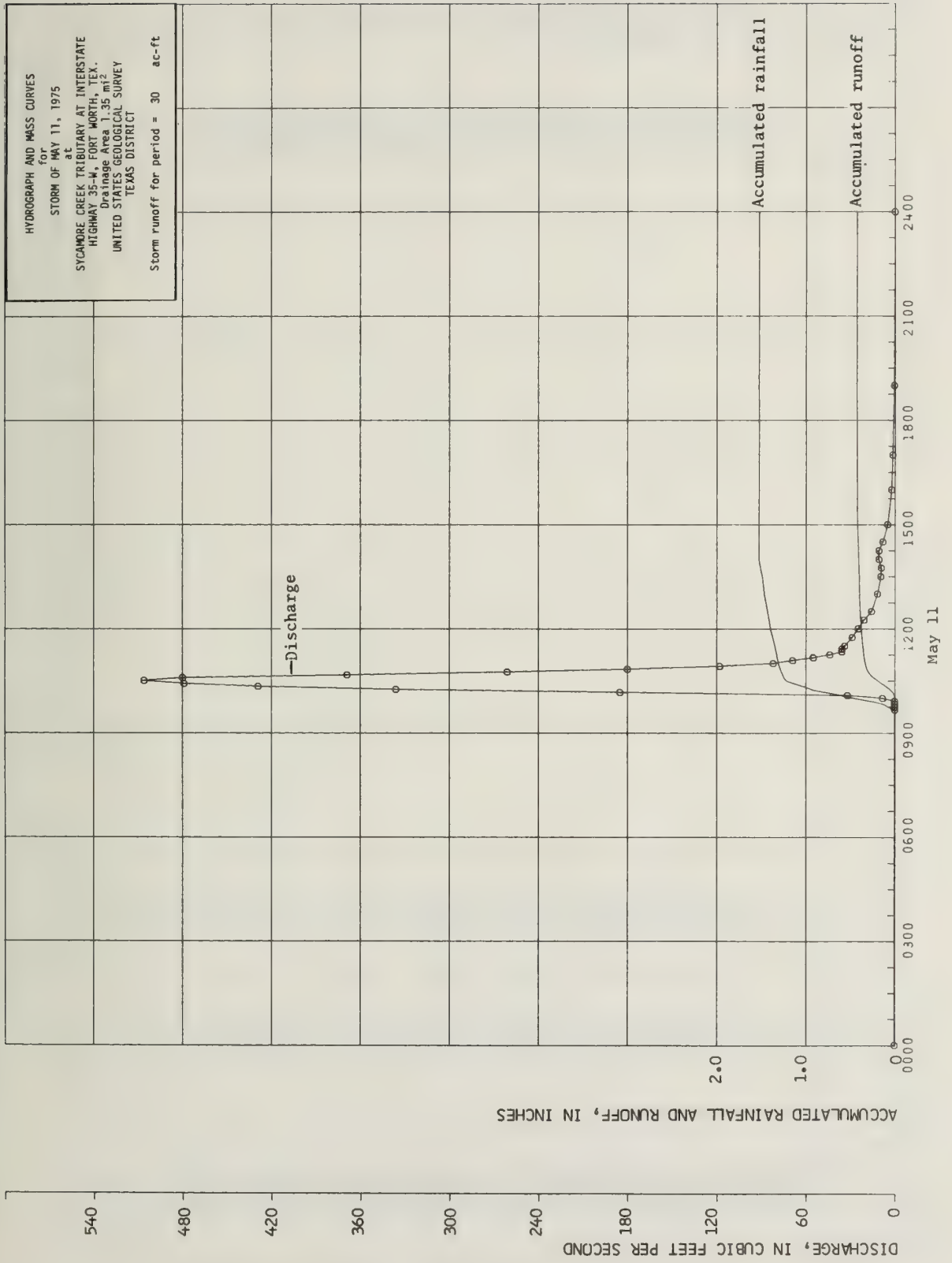
STORM RAINFALL AND RUNOFF RECORD									
SYCAMORE CR TRIB ARV SEM. S. SHOP. CENTER, FT WORTH, TEX STORM OF JUNE 8, 1975									
DATE & TIME	G A G E N U M B E R			ACCUM. WEIGHTED PRECIP.		DISCHARGE IN		ACCUM. RUNOFF	
	1-ST	2-ST		IN.		FT ³ /S		IN.	
JUNE 8									
2030	1.95	1.96				1.95	24.0	1.95	0.4952
2135	1.95	1.96				1.95	24.0	1.95	0.4984
2040	1.95	1.96				1.95	20.0	1.95	0.5011
2145	1.95	1.96				1.95	18.0	1.95	0.5035
2050	1.95	1.96				1.95	16.0	1.95	0.5067
2100	1.95	1.96				1.95	12.0	1.95	0.5099
2110	1.95	1.96				1.95	9.4	1.95	0.5124
2120	1.95	1.96				1.95	8.2	1.95	0.5145
2130	1.95	1.96				1.95	6.8	1.95	0.5168
2145	1.95	1.96				1.95	4.8	1.95	0.5187
2200	1.95	1.96				1.95	3.9	1.95	0.5211
2230	1.95	1.96				1.95	2.7	1.95	0.5232
2300	1.95	1.96				1.95	1.9	1.95	0.5255
2400	1.95	1.96				1.95	1.3	1.95	0.5265



STORM RAINFALL AND RUNOFF RECORD									
1975 WATER YEAR									
STA. NO. 08048536									
SYCAMORE CK TRIB ARV SEM. S. SHOP. CENTER, FT WORTH, TEX STORM OF SEPTEMBER 15, 1975									
DATE & TIME	1-ST	2-ST	G A G E	N U M B E R	PRECIP. IN.	FT ³ /S	DISCHARGE IN	ACCUM. RUNOFF	IN.
SEP. 15									
0000	0.0	0.0			0.0		0.1	0.0014	
0130	0.0	0.0			0.0		0.1	0.0028	
1745	0.01	0.02			0.01		0.1	0.0029	
1800	0.10	0.09			0.10		0.1	0.0029	
1805	0.11	0.11			0.11		0.1	0.0029	
1810	0.11	0.12			0.11		1.5	0.0031	
1815	0.11	0.12			0.11		4.5	0.0037	
1820	0.11	0.12			0.11		9.0	0.0055	
1830	0.11	0.12			0.11		6.2	0.0071	
1840	0.11	0.12			0.11		4.5	0.0083	
1850	0.11	0.12			0.11		3.3	0.0092	
1900	0.11	0.12			0.11		2.2	0.0100	
1915	0.12	0.12			0.12		1.6	0.0104	
1920	0.24	0.25			0.24		1.5	0.0106	
1925	0.46	0.41			0.45		1.4	0.0108	
1930	0.57	0.55			0.57		4.8	0.0114	
1935	0.64	0.85			0.69		112.0	0.0263	
1940	0.56	1.15			0.77		171.0	0.0491	
1945	0.57	1.22			0.79		259.0	0.0836	
1950	0.57	1.24			0.80		247.0	0.1164	
1955	0.64	1.24			0.81		169.0	0.1389	
2000	0.64	1.31			0.82		111.0	0.1537	
2005	0.64	1.31			0.83		63.0	0.1621	
2010	0.70	1.31			0.83		43.0	0.1678	
2015	0.72	1.31			0.85		30.0	0.1718	
2020	0.73	1.32			0.86		21.0	0.1746	
2025	0.74	1.33			0.86		16.0	0.1767	
2030	0.74	1.34			0.87		13.0	0.1793	
2040	0.74	1.34			0.89		14.0	0.1831	
2050	0.74	1.34			0.89		9.0	0.1855	
2100	0.80	1.34			0.91		5.6	0.1884	
2130	0.80	1.34			0.92		4.3	0.1919	
2200	0.80	1.34			0.92		2.7	0.1940	
2230	0.80	1.35			0.92		1.5	0.1952	
2300	0.80	1.35			0.92		1.0	0.1964	
2400	0.80	1.35			0.92		0.5	0.1968	



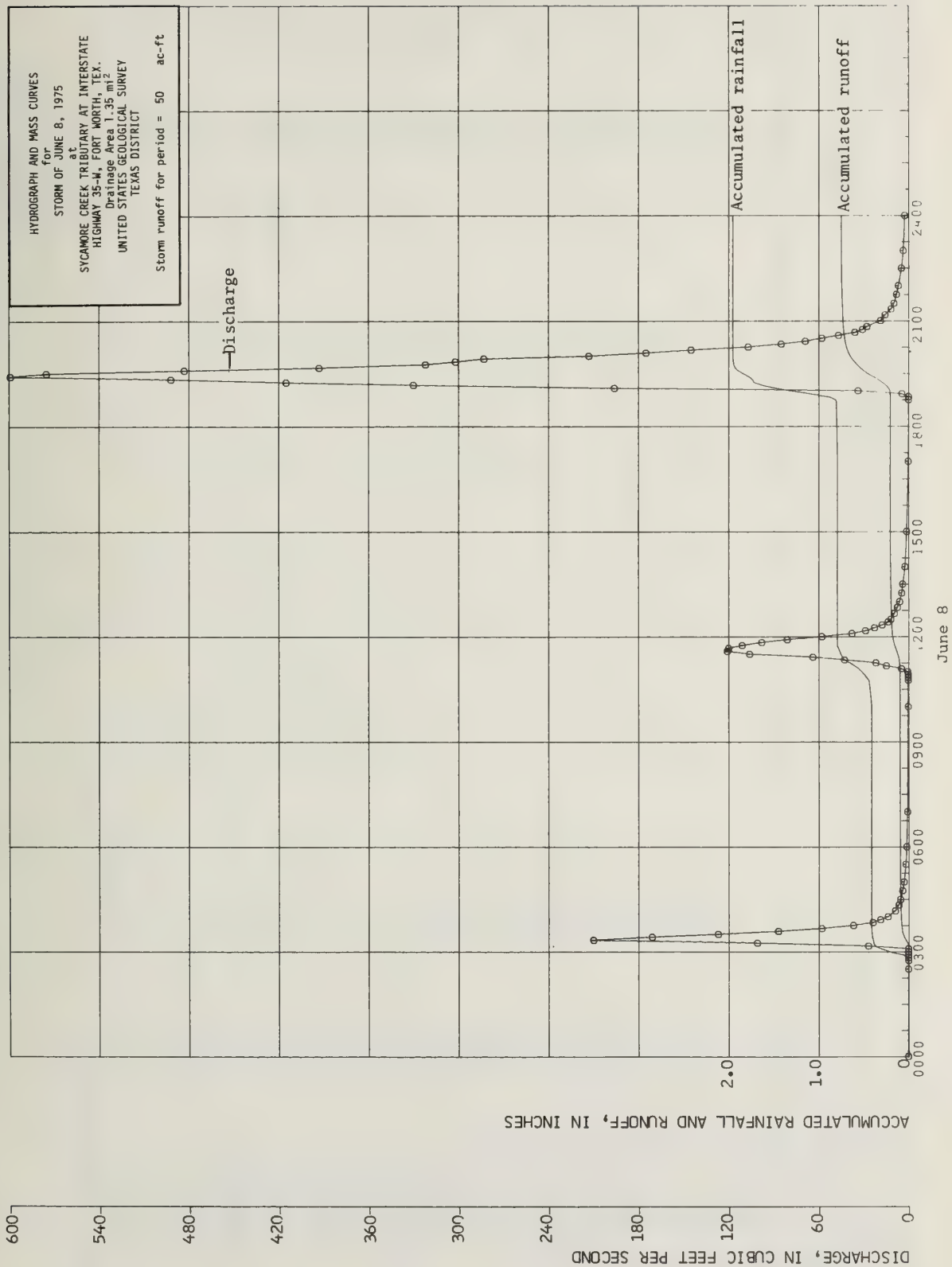
STORM RAINFALL AND RUNOFF RECORD												1975 WATER YEAR	
SYCAMORE CK TRIB AT INTERSTATE HWY 35-W, FT. WORTH, TEX. STORM OF MAY 11, 1975													
DATE & TIME	G A G E				PRECIP. IN.	DISCHARGE IN	ACCUM. WEIGHTED IN.	FT ³ /S	IN.	ACCUM. RUNOFF			
	1-ST	2-ST											
MAY 11													
0000	0.0	0.0			0.0		0.0	0.2	0.0011				
0940	0.0	0.0			0.0		0.0	0.2	0.0022				
0945	0.09	0.04			0.07		0.07	0.2	0.0022				
0950	0.17	0.07			0.13		0.13	0.2	0.0023				
0955	0.36	0.12			0.25		0.25	0.2	0.0023				
1000	0.65	0.17			0.44		0.44	8.4	0.0031				
1005	0.86	0.21			0.57		0.57	32.0	0.0062				
1010	1.04	0.34			0.75		0.75	185.0	0.0238				
1015	1.24	0.52			0.92		0.92	336.0	0.0560				
1020	1.31	0.63			1.01		1.01	429.0	0.0970				
1025	1.37	0.78			1.11		1.11	479.0	0.1428				
1030	1.41	0.96			1.21		1.21	506.0	0.1912				
1035	1.42	1.02			1.24		1.24	480.0	0.2372				
1040	1.42	1.05			1.26		1.26	369.0	0.2724				
1045	1.43	1.07			1.27		1.27	261.0	0.2974				
1050	1.44	1.09			1.29		1.29	180.0	0.3146				
1055	1.45	1.10			1.30		1.30	118.0	0.3259				
1100	1.46	1.11			1.31		1.31	82.0	0.3338				
1105	1.47	1.11			1.31		1.31	69.0	0.3404				
1110	1.48	1.12			1.32		1.32	55.0	0.3456				
1115	1.49	1.12			1.33		1.33	44.0	0.3498				
1120	1.49	1.13			1.33		1.33	36.0	0.3533				
1125	1.50	1.14			1.34		1.34	36.0	0.3567				
1130	1.50	1.15			1.35		1.35	34.0	0.3632				
1145	1.53	1.17			1.37		1.37	29.0	0.3715				
1200	1.56	1.19			1.40		1.40	25.0	0.3787				
1215	1.57	1.21			1.41		1.41	21.0	0.3847				
1230	1.54	1.23			1.43		1.43	16.0	0.3916				
1300	1.65	1.24			1.47		1.47	12.0	0.3985				
1330	1.67	1.26			1.49		1.49	9.8	0.4027				
1345	1.70	1.27			1.51		1.51	9.4	0.4054				
1400	1.72	1.28			1.53		1.53	11.0	0.4086				
1415	1.72	1.28			1.53		1.53	11.0	0.4117				
1430	1.72	1.28			1.53		1.53	8.4	0.4154				
1500	1.72	1.28			1.53		1.53	5.2	0.4198				
1600	1.72	1.28			1.53		1.53	2.5	0.4227				
1700	1.72	1.28			1.53		1.53	1.8	0.4258				
1900	1.72	1.28			1.53		1.53	0.8	0.4290				
2400	1.72	1.28			1.53		1.53	0.4	0.4302				



STORM RAINFALL AND RUNOFF RECORD									
STATION NO. 08048540									
SYCAMORE CREEK TRIP AT INTERSTATE HWY 35-W, FT. WORTH, TEX									
STORM OF JUNE 8, 1975									
DATE & TIME	G A G E				PRECIP. IN.	DISCHARGE			
	1-ST	2-ST				IN	FT ³ /S	IN.	ACCUM. RUNOFF
JUNE 8									
0000	0.0	0.0			0.0	0.2		0.0003	
0230	0.0	0.0			0.0	0.2		0.0006	
0245	0.01	0.0			0.01	0.2		0.0006	
0250	0.02	0.0			0.02	0.2		0.0007	
0255	0.04	0.01			0.05	0.2		0.0007	
0300	0.24	0.13			0.20	0.2		0.0007	
0305	0.39	0.19			0.30	0.2		0.0007	
0310	0.43	0.30			0.37	27.0		0.0033	
0315	0.44	0.33			0.39	101.0		0.0130	
0320	0.44	0.34			0.40	210.0		0.0330	
0325	0.45	0.35			0.41	171.0		0.0494	
0330	0.45	0.36			0.41	127.0		0.0616	
0335	0.45	0.37			0.41	87.0		0.0699	
0340	0.45	0.37			0.41	58.0		0.0754	
0345	0.45	0.37			0.41	37.0		0.0790	
0350	0.45	0.37			0.41	24.0		0.0813	
0400	0.45	0.37			0.41	19.0		0.0831	
0410	0.45	0.37			0.41	14.0		0.0851	
0420	0.45	0.37			0.41	9.1		0.0868	
0430	0.45	0.37			0.41	6.8		0.0881	
0445	0.45	0.37			0.41	5.6		0.0895	
0500	0.45	0.37			0.41	4.2		0.0907	
0530	0.45	0.37			0.41	3.2		0.0920	
0600	0.45	0.37			0.41	2.1		0.0933	
0700	0.45	0.37			0.41	1.5		0.0945	
1000	0.45	0.37			0.41	1.0		0.0968	
1045	0.50	0.37			0.41	0.5		0.0979	
1050	0.53	0.40			0.44	0.5		0.0982	
1055	0.56	0.43			0.46	0.5		0.0982	
1100	0.54	0.43			0.49	0.5		0.0983	
1105	0.63	0.46			0.56	0.8		0.0983	
1110	0.66	0.49			0.52	4.9		0.0988	
1115	0.74	0.53			0.60	15.0		0.1002	
1120	0.82	0.57			0.65	22.0		0.1023	
1125	0.85	0.60			0.71	43.0		0.1064	
1130	0.85	0.63			0.74	54.0		0.1126	
1135	0.86	0.65			0.75	106.0		0.1227	
1140	0.87	0.67			0.77	121.0		0.1343	
					0.78	120.0		0.1458	

STORM RAINFALL AND RUNOFF RECORD												1975 WATER YEAR									
SYCAMORE CK TRIB AT INTERSTATE HWY 35-W, FT. WORTH, TEX												STORM OF JUNE 8, 1975									
G A G E N U M B E R												ACCUM. WEIGHTED PRECIP. IN.		DISCHARGE IN FT ³ /S		ACCUM. RUNOFF					
DATE & TIME												1-ST		2-ST							
JUNE 8																					
11:45											0.48	0.69					0.80	111.0	0.1564		
11:50											0.64	0.69					0.80	98.0	0.1658		
11:55											0.44	0.69					0.80	81.0	0.1735		
12:00											0.48	0.69					0.80	58.0	0.1790		
12:05											0.44	0.69					0.80	38.0	0.1827		
12:10											0.88	0.69					0.80	29.0	0.1855		
12:15											0.88	0.69					0.80	23.0	0.1877		
12:20											0.88	0.69					0.80	18.0	0.1894		
12:25											0.44	0.69					0.80	14.0	0.1907		
12:30											0.44	0.69					0.80	12.0	0.1924		
12:40											0.48	0.69					0.80	9.8	0.1943		
12:50											0.48	0.69					0.80	7.7	0.1958		
13:00											0.48	0.69					0.80	6.2	0.1973		
13:15											0.44	0.69					0.80	4.9	0.1987		
13:30											0.48	0.69					0.80	4.2	0.2005		
14:00											0.44	0.69					0.80	2.8	0.2029		
15:00											0.44	0.69					0.80	1.6	0.2056		
17:00											0.44	0.69					0.80	0.5	0.2067		
18:45											0.49	0.71					0.81	0.4	0.2071		
18:50											0.94	0.81					0.88	0.4	0.2072		
18:55											1.05	1.00					1.06	4.7	0.2076		
19:00											1.24	1.20					1.27	34.0	0.2109		
19:05											1.44	1.51					1.47	196.0	0.2296		
19:10											1.69	1.67					1.63	330.0	0.2612		
19:15											1.69	1.76					1.72	415.0	0.3009		
19:20											1.70	1.78					1.74	492.0	0.3480		
19:25											1.75	1.81					1.78	599.0	0.4053		
19:30											1.92	1.86					1.84	575.0	0.4603		
19:35											1.43	1.90					1.89	483.0	0.5065		
19:40											1.42	1.94					1.93	393.0	0.5440		
19:45											1.93	1.96					1.94	322.0	0.5748		
19:50											1.94	1.96					1.95	302.0	0.6037		
19:55											1.95	1.96					1.95	283.0	0.6306		
20:00											1.95	1.96					1.95	213.0	0.6512		
20:05											1.95	1.96					1.95	175.0	0.6679		
20:10											1.95	1.96					1.95	145.0	0.6818		
20:15											1.95	1.96					1.95	107.0	0.6920		
20:20											1.95	1.96					1.95	85.0	0.7002		
20:25											1.95	1.96					1.95	69.0	0.7068		

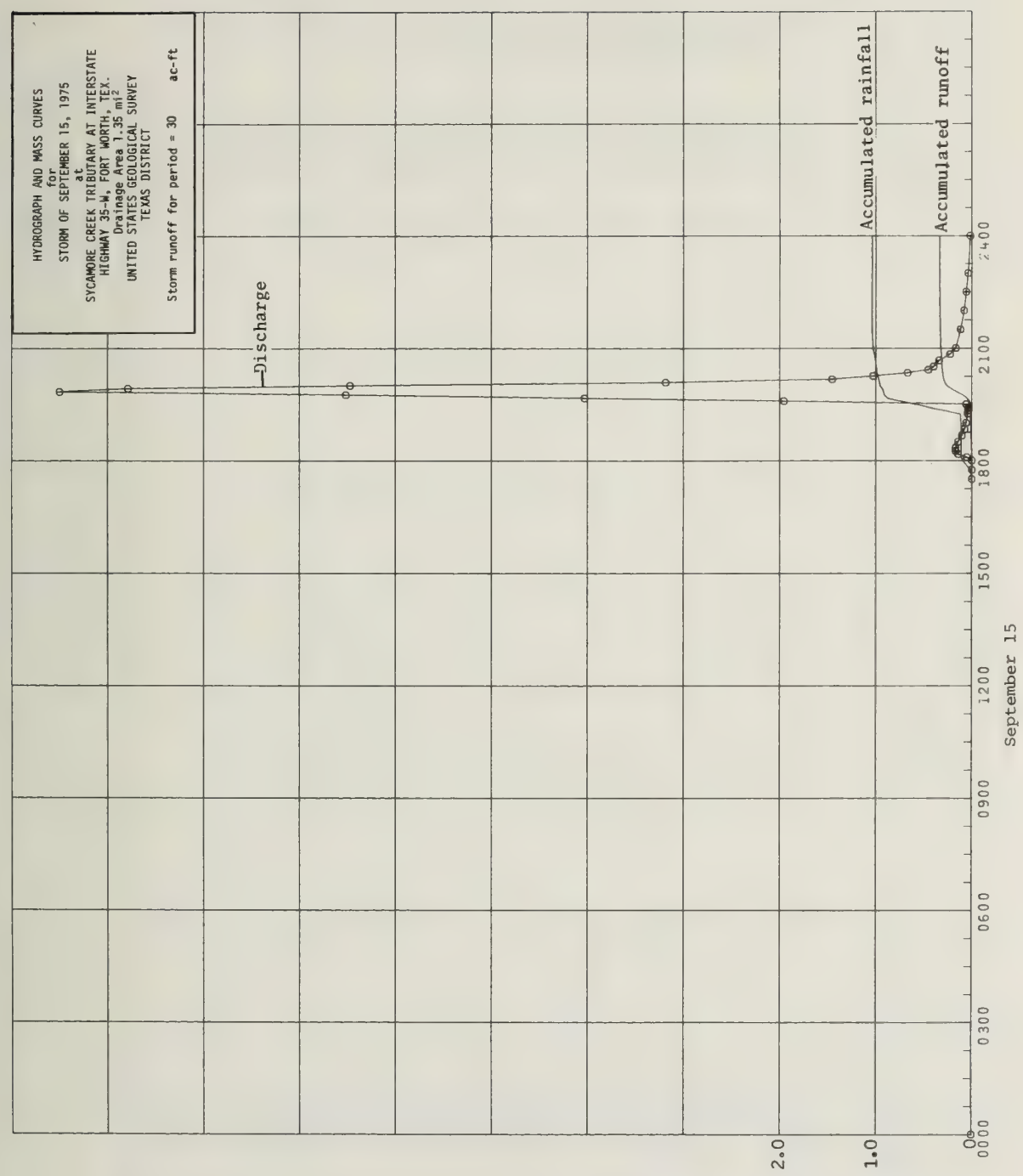
STORM RAINFALL AND RUNOFF RECORD									
1975 WATER YEAR									
SYCAMORE CK TRIBUTARY AT INTERSTATE HWY 35-W, FT. WORTH, TEX									
STORM OF JUNE 8, 1975									
DATE & TIME	G A G E		N U M B E R		P R E C I P .		D I S C H A R G E		ACCUM.
	1-ST	2-ST			IN.	FT ³ /S	IN.	RUNOFF	
JUNE 8									
2030	1.95	1.96			1.95	58.0		0.7123	
2035	1.95	1.96			1.95	47.0		0.7168	
2040	1.95	1.96			1.95	36.0		0.7202	
2045	1.95	1.96			1.95	31.0		0.7232	
2050	1.95	1.96			1.95	28.0		0.7272	
2100	1.95	1.96			1.95	19.0		0.7309	
2110	1.95	1.96			1.95	16.0		0.7339	
2120	1.95	1.96			1.95	12.0		0.7362	
2130	1.95	1.96			1.95	10.0		0.7386	
2145	1.95	1.96			1.95	8.4		0.7410	
2200	1.95	1.96			1.95	7.1		0.7441	
2230	1.95	1.96			1.95	5.1		0.7470	
2300	1.95	1.96			1.95	4.0		0.7504	
2400	1.95	1.96			1.95	3.0		0.7522	



DISCHARGE, IN CUBIC FEET PER SECOND

700
630
560
490
420
350
280
210
140
70
0

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES



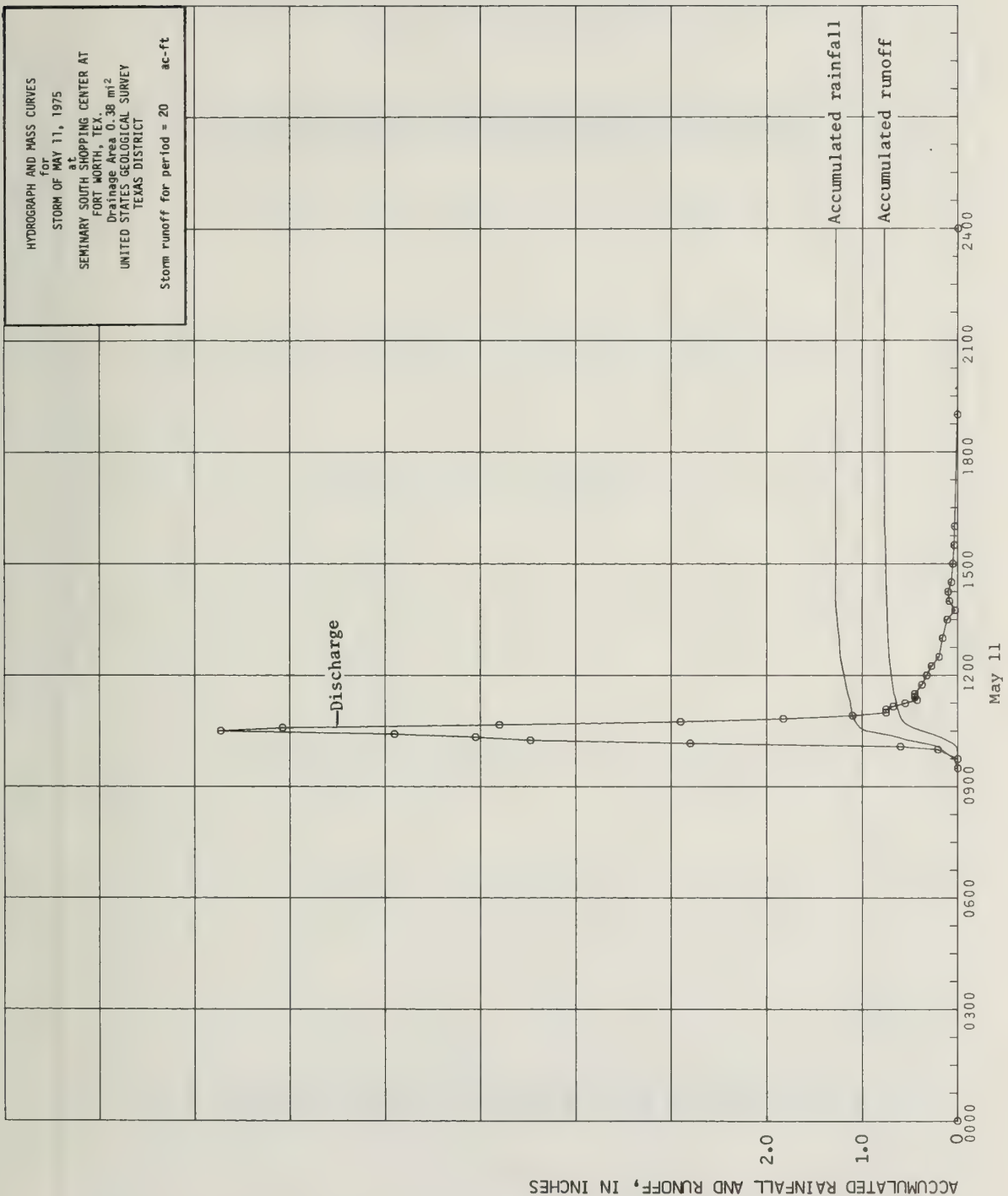
HYDROGRAPH AND MASS CURVES
for
STORM OF SEPTEMBER 15, 1975
at
SYCAMORE CREEK TRIBUTARY AT INTERSTATE
HIGHWAY 35-N, FORT WORTH, TEX.
Drainage Area 1.35 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT

Storm runoff for period = 30 ac-ft

STORM RAINFALL AND RUNOFF RECORD										1975 WATER YEAR			
STA. NO.		EST. OF RUNOFF FROM S.F.M. S. SHOP. CENTER, FT WORTH, TEX.								1975 WATER YEAR			
DATE & TIME		GAGE		N U M B E R		PRECIP.		ACCUM. WEIGHTED PRECIP.		DISCHARGE IN		ACCUM. RUNOFF	
		--G A G E		N U M B E R		PRECIP.		IN.		FT ³ /S		IN.	
MAY 11													
0000		0.0						0.0		0.0		0.0	
0430		0.3						0.0		0.0		0.0	
0945		0.04						0.04		0.0		0.0	
1000		0.17						0.17		8.3		0.0056	
1005		0.21						0.21		24.0		0.0138	
1010		0.36						0.36		112.0		0.0519	
1015		0.52						0.52		179.0		0.1127	
1020		0.63						0.63		202.0		0.1813	
1025		0.78						0.78		236.0		0.2615	
1030		0.94						0.96		309.0		0.3665	
1035		1.02						1.02		283.0		0.4627	
1040		1.05						1.05		192.0		0.5279	
1045		1.07						1.07		116.0		0.5674	
1050		1.03						1.09		73.0		0.5922	
1055		1.10						1.10		44.0		0.6071	
1100		1.11						1.11		30.0		0.6173	
1105		1.11						1.11		30.0		0.6275	
1110		1.12						1.12		27.0		0.6367	
1115		1.12						1.12		22.0		0.6442	
1120		1.13						1.13		17.0		0.6499	
1125		1.14						1.14		18.0		0.6561	
1130		1.15						1.15		18.0		0.6683	
1145		1.17						1.17		15.0		0.6836	
1200		1.19						1.19		13.0		0.6968	
1215		1.21						1.21		11.0		0.7081	
1230		1.23						1.23		7.8		0.7200	
1300		1.24						1.24		6.3		0.7328	
1330		1.26						1.26		4.4		0.7396	
1345		1.27						1.27		1.1		0.7407	
1400		1.24						1.24		3.5		0.7442	
1415		1.24						1.28		4.1		0.7484	
1430		1.24						1.28		2.7		0.7526	
1500		1.24						1.24		2.1		0.7568	
1530		1.24						1.24		1.5		0.7599	
1600		1.24						1.28		1.3		0.7692	
1900		1.24						1.24		0.2		0.7724	
2400		1.24						1.24		0.0		0.7724	

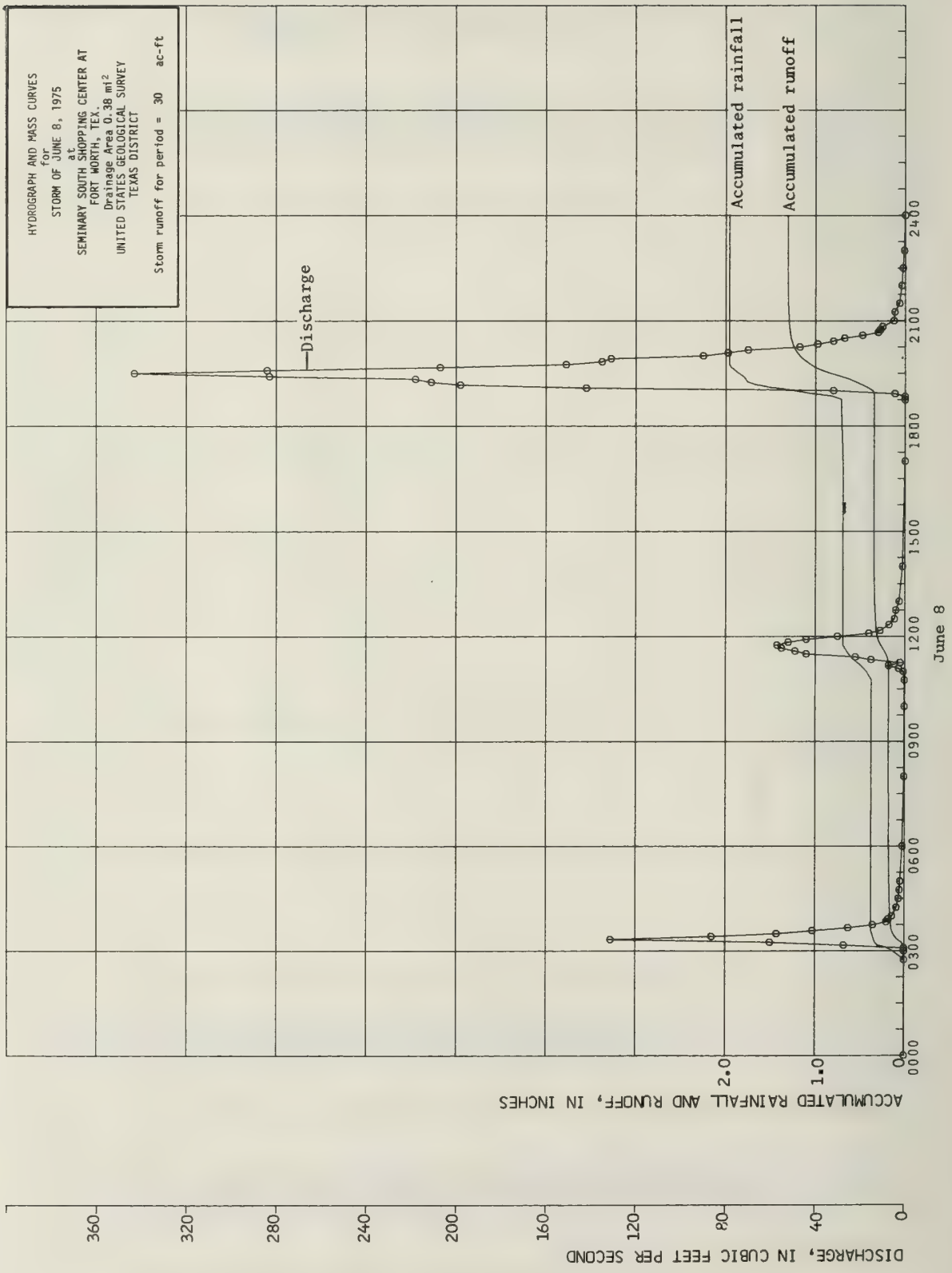
DISCHARGE, IN CUBIC FEET PER SECOND

0 40 80 120 160 200 240 280 320

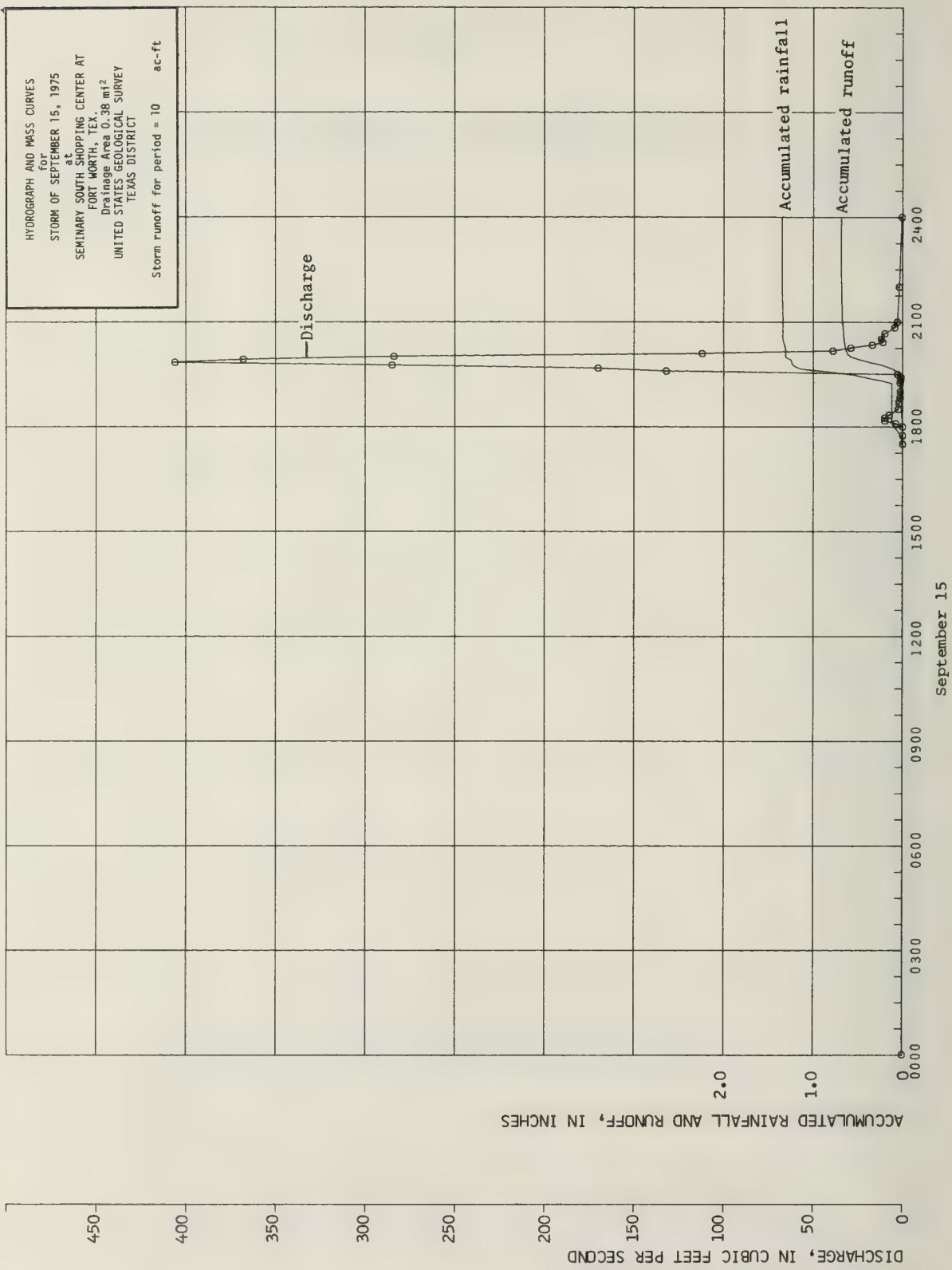


STORM RAINFALL AND RUNOFF RECORD										1975 WATER YEAR				
STA. NO.														
EST. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT WORTH, TEX.										STORM OF JUNE 8, 1975				
DATE & TIME		P-ST		G A G E		N U M B E R		WEIGHTED PRECIP. IN.		DISCHARGE IN		ACCUM. RUNOFF		
JUNE 8														
0000		0.0						0.0		0.0		0.0		
0245		0.0						0.0		0.0		0.0		
0300		0.13						0.13		0.0		0.0		
0305		0.14						0.19		0.0		0.0		
0310		0.30						0.30		27.0		0.0052		
0315		0.33						0.33		60.0		0.0296		
0320		0.34						0.34		131.0		0.0741		
0325		0.35						0.35		86.0		0.1033		
0330		0.36						0.36		57.0		0.1227		
0335		0.37						0.37		41.0		0.1366		
0340		0.37						0.37		25.0		0.1451		
0345		0.37						0.37		14.0		0.1499		
0350		0.37						0.37		8.0		0.1526		
0355		0.37						0.37		7.0		0.1550		
0400		0.37						0.37		5.4		0.1586		
0415		0.37						0.37		3.4		0.1621		
0430		0.37						0.37		2.5		0.1646		
0445		0.37						0.37		2.1		0.1668		
0500		0.37						0.37		1.8		0.1714		
0600		0.37						0.37		0.9		0.1769		
0800		0.37						0.37		0.2		0.1785		
1000		0.37						0.37		0.1		0.1791		
1045		0.37						0.37		0.1		0.1793		
1100		0.43						0.43		0.6		0.1797		
1105		0.46						0.46		2.7		0.1806		
1110		0.44						0.49		7.2		0.1830		
1115		0.53						0.53		2.0		0.1837		
1120		0.57						0.57		15.0		0.1888		
1125		0.60						0.60		22.0		0.1963		
1130		0.63						0.63		44.0		0.2112		
1135		0.65						0.65		49.0		0.2279		
1140		0.67						0.67		55.0		0.2466		
1145		0.64						0.65		57.0		0.2660		
1150		0.64						0.69		52.0		0.2836		
1155		0.63						0.69		44.0		0.2986		
1200		0.64						0.69		30.0		0.3088		
1205		0.63						0.64		16.0		0.3142		
1210		0.64						0.69		11.0		0.3198		
1220		0.64						0.69		7.0		0.3246		

STORM RAINFALL AND RUNOFF RECORD									
STA. NO.	1975 WATER YEAR								
EST. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT WORTH, TEX. STORM OF JUNE 8, 1975									
DATE & TIME	P-ST	GAGE	NUMBER	PRECIP. IN.	DISCHARGE IN	ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN	ACCUM. RUNOFF	IN.
JUNE 8									
1230	0.69			0.69	4.6			0.3285	
1245	0.69			0.69	4.0			0.3326	
1300	0.69			0.69	2.5			0.3389	
1400	0.69			0.69	1.0			0.3471	
1700	0.69			0.69	0.0			0.3471	
1845	0.71			0.71	0.0			0.3471	
1850	0.81			0.81	0.0			0.3471	
1855	1.06			1.06	4.5			0.3486	
1900	1.25			1.25	32.0			0.3595	
1905	1.50			1.50	142.0			0.4077	
1910	1.67			1.67	198.0			0.4750	
1915	1.76			1.76	211.0			0.5467	
1920	1.78			1.78	218.0			0.6208	
1925	1.81			1.81	283.0			0.7170	
1930	1.86			1.86	343.0			0.8336	
1935	1.90			1.90	284.0			0.9301	
1940	1.94			1.94	207.0			1.0004	
1945	1.96			1.96	151.0			1.0517	
1950	1.96			1.96	135.0			1.0976	
1955	1.96			1.96	131.0			1.1421	
2000	1.96			1.96	90.0			1.1727	
2005	1.96			1.96	79.0			1.1995	
2010	1.96			1.96	70.0			1.2233	
2015	1.96			1.96	47.0			1.2393	
2020	1.96			1.96	39.0			1.2525	
2025	1.96			1.96	32.0			1.2634	
2030	1.96			1.96	27.0			1.2726	
2035	1.96			1.96	19.0			1.2790	
2040	1.96			1.96	12.0			1.2831	
2045	1.96			1.96	11.0			1.2869	
2050	1.96			1.96	10.0			1.2920	
2100	1.96			1.96	5.0			1.2962	
2115	1.96			1.96	4.6			1.3009	
2130	1.96			1.96	2.5			1.3047	
2200	1.96			1.96	1.5			1.3078	
2230	1.96			1.96	1.0			1.3098	
2300	1.96			1.96	0.5			1.3113	
2400	1.96			1.96	0.0			1.3113	

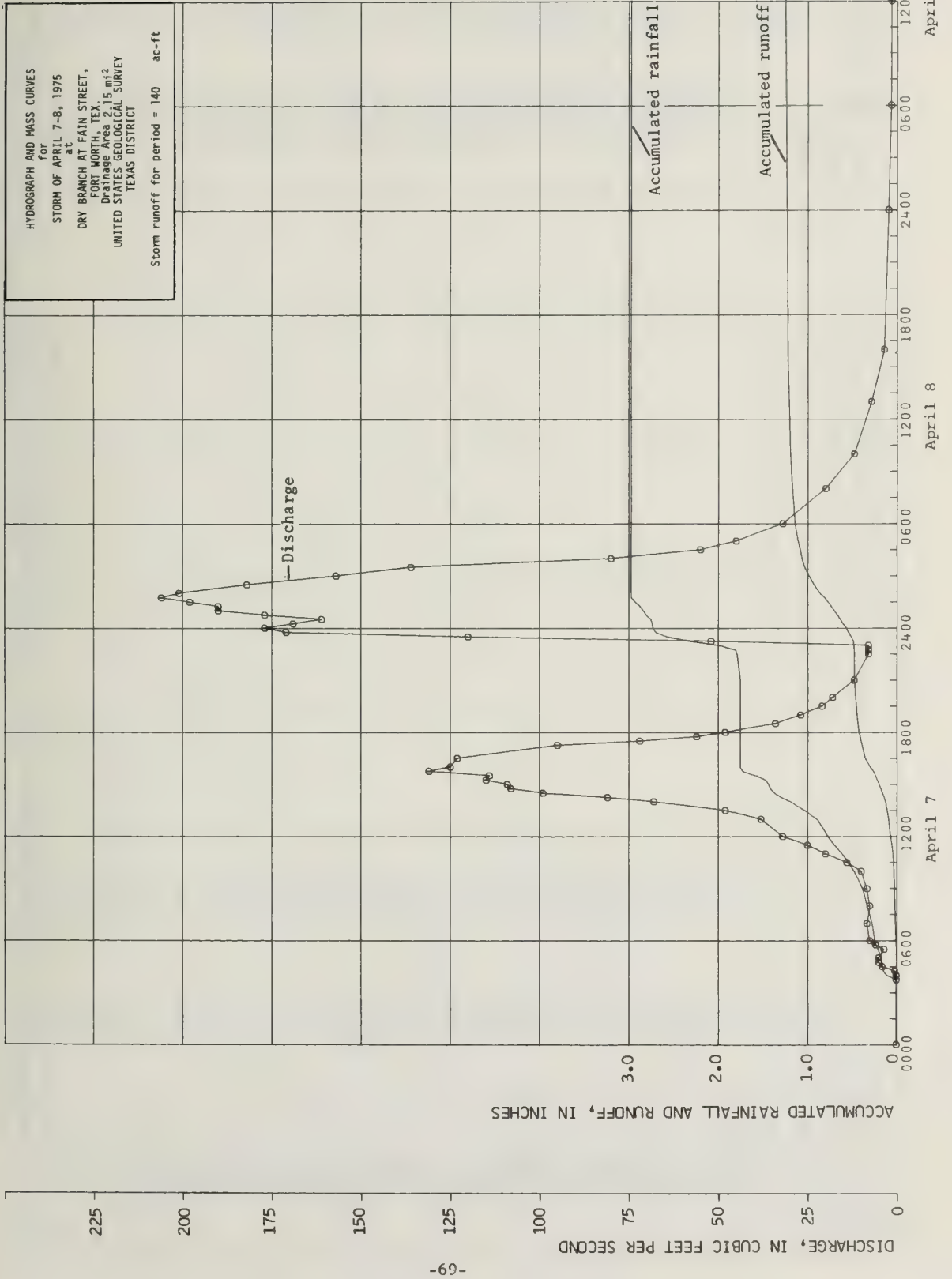


STORM RAINFALL AND RUNOFF RECORD									
STA. NO.	1975 WATER YEAR								
EST. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT WORTH, TEX. STORM OF SEPTEMBER 15, 1975									
DATE & TIME	-ST	G A G E		N U M B E R		WEIGHTED PRECIP.	DISCHARGE IN	ACCUM. IN.	FT ³ /S IN.
SEP. 15									
0600	0.0					0.0	0.0	0.0	0.0
0730	0.0					0.0	0.0	0.0	0.0
1745	0.12					0.02	0.0	0.0	0.0
1800	0.09					0.09	0.0	0.0	0.0
1805	0.11					0.11	3.7	0.0013	
1810	0.12					0.12	10.0	0.0047	
1815	0.12					0.12	10.0	0.0081	
1820	0.12					0.12	7.5	0.0119	
1830	0.12					0.12	2.4	0.0135	
1840	0.12					0.12	2.0	0.0149	
1850	0.12					0.12	1.5	0.0159	
1900	0.12					0.12	1.4	0.0171	
1915	0.12					0.12	1.5	0.0181	
1920	0.25					0.25	1.1	0.0185	
1925	0.41					0.41	0.9	0.0188	
1930	0.55					0.55	2.8	0.0197	
1935	0.45					0.85	132.0	0.0646	
1940	1.15					1.15	170.0	0.1224	
1945	1.22					1.22	265.0	0.2192	
1950	1.24					1.24	406.0	0.3572	
1955	1.25					1.25	368.0	0.4822	
2000	1.31					1.31	284.0	0.5787	
2005	1.31					1.31	112.0	0.6168	
2010	1.31					1.31	34.0	0.6300	
2015	1.31					1.31	29.0	0.6399	
2020	1.32					1.32	17.0	0.6457	
2025	1.33					1.33	11.0	0.6494	
2030	1.34					1.34	12.0	0.6555	
2040	1.34					1.34	10.0	0.6623	
2050	1.34					1.34	4.5	0.6654	
2100	1.34					1.34	3.0	0.6725	
2200	1.35					1.35	2.0	0.6848	
2400	1.35					1.35	0.5	0.6868	



STORM RAINFALL AND RUNOFF RECORD									
STA. NO. 08048600									
DRY BRANCH AT FAIRM STREET, FORT WORTH, TEX.									
STORM OF APRIL 7-8, 1975									
DATE & TIME	G A G E				PRECIP. IN.	DISCHARGE			
	1-04	2-04				IN	FT ³ /S	IN.	ACCUM. RUNOFF
APR. 7									
0000	0.0	0.0			0.0		0.2		0.0003
0345	0.0	0.0			0.0		0.2		0.0006
0400	0.12	0.10			0.11				0.0006
0415	0.16	0.14			0.15		0.6		0.0007
0430	0.17	0.15			0.16		4.1		0.0014
0445	0.14	0.16			0.17		5.1		0.0024
0500	0.19	0.17			0.18		5.1		0.0037
0530	0.22	0.20			0.21		3.6		0.0047
0545	0.25	0.22			0.23		6.0		0.0058
0600	0.26	0.24			0.25		7.6		0.0092
0700	0.30	0.26			0.26		8.4		0.0153
0800	0.34	0.33			0.33		7.6		0.0207
0900	0.40	0.37			0.38		8.4		0.0268
1000	0.42	0.44			0.44		10.0		0.0322
1030	0.54	0.54			0.54		14.0		0.0373
1100	0.62	0.60			0.61		20.0		0.0445
1130	0.71	0.68			0.69		25.0		0.0535
1200	0.79	0.75			0.77		32.0		0.0708
1300	0.90	0.88			0.89		38.0		0.0913
1330	1.03	1.02			1.02		48.0		0.1086
1400	1.19	1.18			1.18		68.0		0.1270
1415	1.30	1.28			1.29		81.0		0.1416
1430	1.34	1.35			1.36		99.0		0.1594
1445	1.44	1.39			1.41		108.0		0.1789
1500	1.46	1.41			1.43		109.0		0.1985
1515	1.44	1.45			1.46		115.0		0.2192
1530	1.55	1.54			1.57		114.0		0.2398
1545	1.70	1.74			1.72		131.0		0.2634
1600	1.76	1.75			1.75		125.0		0.2972
1630	1.76	1.75			1.75		123.0		0.3526
1715	1.76	1.75			1.75		95.0		0.3868
1730	1.76	1.75			1.75		72.0		0.3998
1745	1.76	1.75			1.75		56.0		0.4099
1800	1.76	1.75			1.75		48.0		0.4228
1830	1.76	1.75			1.75		34.0		0.4351
1900	1.76	1.75			1.75		27.0		0.4448
1930	1.76	1.75			1.75		21.0		0.4524
2000	1.76	1.75			1.75		18.0		0.4621
2100	1.75	1.75			1.75		12.0		0.4729

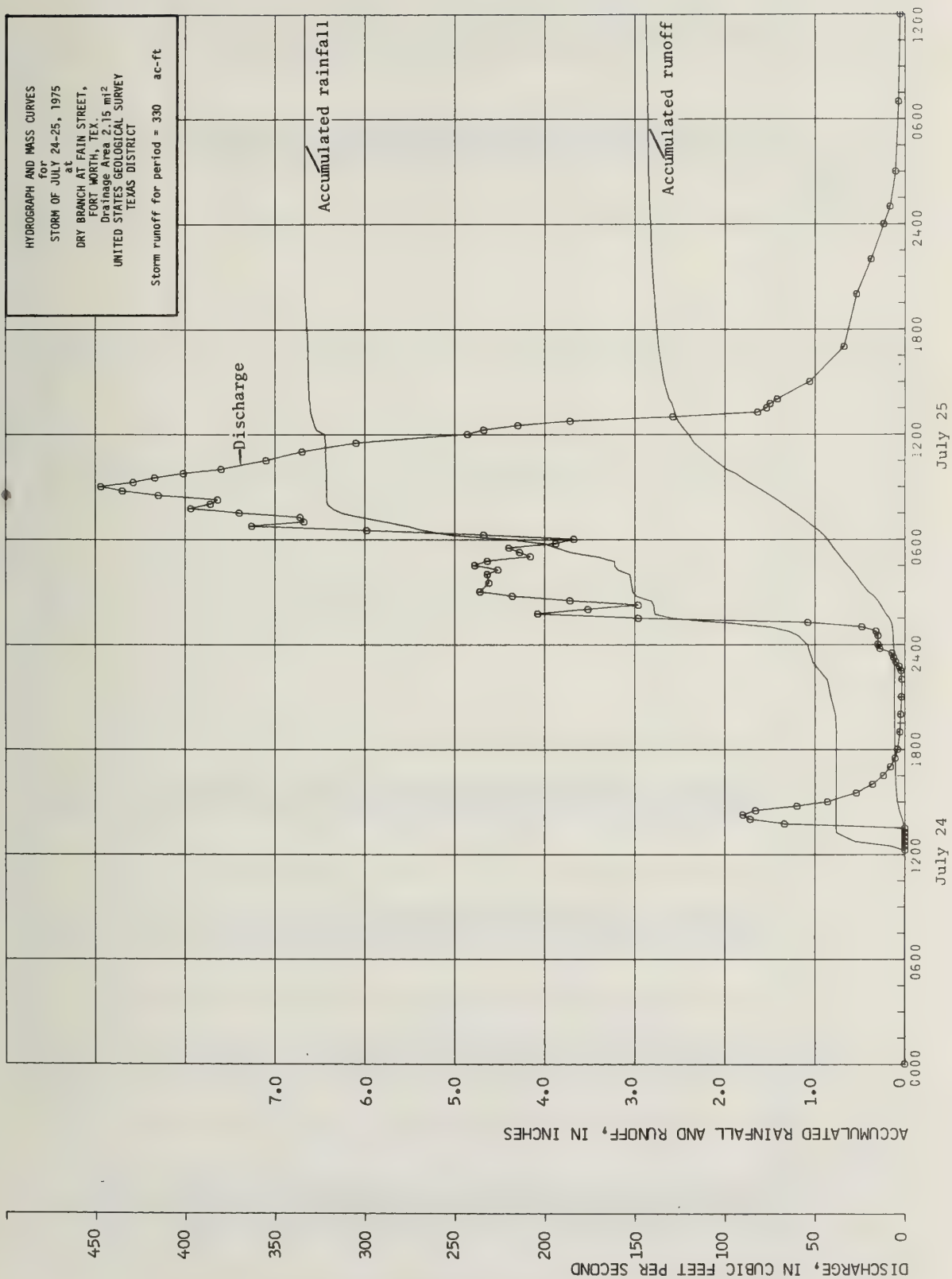
STATION NO. 08048600									
STORM RAINFALL AND RUNOFF RECORD									
1975 WATER YEAR									
DRY BRANCH AT FAIR STREET, FORT WORTH, TEX.									
STORM OF APRIL 7-8, 1975									
DATE & TIME	G A G E		N U M B E R		A C C U M .		D I S C H A R G E		IN. RUNOFF
	1-D4	2-D4			WEIGHTED PRECIP.	IN.	FT ³ /S	IN.	
APR. 7									
2236	1.79	1.79			1.79	8.0		0.4780	
2245	1.80	1.81			1.80	8.0		0.4794	
2300	1.91	2.04			1.97	8.0		0.4809	
2315	2.16	2.43			2.29	52.0		0.4902	
2330	2.43	2.69			2.56	120.0		0.5119	
2345	2.51	2.78			2.69	171.0		0.5427	
2400	2.64	2.82			2.73	177.0		0.5666	
APR. 8									
0000	2.64	2.82			2.73	177.0		0.5666	
0015	2.65	2.83			2.74	169.0		0.6050	
0030	2.67	2.84			2.75	161.0		0.6340	
0045	2.73	2.88			2.80	177.0		0.6659	
0100	2.76	2.91			2.83	190.0		0.7002	
0115	2.80	2.95			2.87	190.0		0.7344	
0130	2.85	3.00			2.92	198.0		0.7701	
0145	2.89	3.05			2.97	206.0		0.8072	
0200	2.90	3.05			2.97	201.0		0.8615	
0230	2.90	3.05			2.97	182.0		0.9271	
0300	2.90	3.05			2.97	157.0		0.9837	
0330	2.90	3.05			2.97	136.0		1.0327	
0400	2.90	3.05			2.97	80.0		1.0615	
0430	2.90	3.05			2.97	55.0		1.0813	
0500	2.90	3.05			2.97	45.0		1.1057	
0600	2.90	3.05			2.97	32.0		1.1402	
0800	2.90	3.05			2.97	20.0		1.1691	
1000	2.90	3.05			2.97	12.0		1.1907	
1300	2.90	3.05			2.97	7.2		1.2063	
1600	2.90	3.05			2.97	3.6		1.2205	
2400	2.90	3.05			2.97	2.4		1.2301	
APR. 9									
0000	2.90	3.05			2.97	2.4		1.2301	
0600	2.90	3.05			2.97	1.7		1.2400	
1200	2.90	3.05			2.97	1.6		1.2504	
2400	2.90	3.05			2.97	1.4		1.2564	



STORM RAINFALL AND RUNOFF RECORD									
1975 WATER YEAR									
STA. NO. 08048600									
DRY BRANCH AT FAIR STREET, FORT WORTH, TEX.									
STORM OF JULY 24-25, 1975									
DATE & TIME	G A G E				PRECIP. IN.	DISCHARGE IN FT ³ /S			
	1-DH	2-DH							
JULY 24									
0000	0.0	0.0				0.0	0.0	0.0	0.0
1215	0.0	0.0				0.0	0.0	0.0	0.0
1230	0.33	0.0				0.16	0.0	0.0	0.0
1245	1.10	0.01				0.55	0.0	0.0	0.0
1300	1.29	0.03				0.66	0.0	0.0	0.0
1315	1.49	0.03				0.76	0.0	0.0	0.0
1330	1.50	0.03				0.76	0.0	0.0	0.0
1345	1.50	0.03				0.76	67.0	0.0121	0.0121
1400	1.50	0.03				0.76	96.0	0.0276	0.0276
1415	1.50	0.03				0.76	90.0	0.0438	0.0438
1430	1.50	0.03				0.76	83.0	0.0587	0.0587
1445	1.50	0.03				0.76	60.0	0.0696	0.0696
1500	1.50	0.03				0.76	43.0	0.0812	0.0812
1530	1.50	0.03				0.76	27.0	0.0909	0.0909
1600	1.50	0.03				0.76	18.0	0.0974	0.0974
1630	1.50	0.03				0.76	12.0	0.1017	0.1017
1700	1.50	0.03				0.76	8.0	0.1046	0.1046
1730	1.50	0.03				0.76	5.4	0.1065	0.1065
1800	1.50	0.03				0.76	4.1	0.1088	0.1088
1900	1.50	0.03				0.76	2.8	0.1108	0.1108
2000	1.50	0.05				0.77	2.4	0.1125	0.1125
2100	1.55	0.10				0.82	1.9	0.1139	0.1139
2200	1.61	0.12				0.86	1.7	0.1148	0.1148
2230	1.69	0.20				0.94	2.2	0.1154	0.1154
2245	1.71	0.26				0.98	3.2	0.1160	0.1160
2300	1.75	0.30				1.02	5.1	0.1169	0.1169
2315	1.77	0.30				1.03	6.3	0.1180	0.1180
2330	1.79	0.32				1.05	7.2	0.1193	0.1193
2345	1.80	0.34				1.07	14.0	0.1218	0.1218
2400	1.81	0.35				1.08	15.0	0.1245	0.1245
JULY 25									
0000	1.81	0.35				1.08	15.0	0.1245	0.1245
0030	1.94	0.43				1.18	15.0	0.1299	0.1299
0045	2.04	0.49				1.28	16.0	0.1328	0.1328
0100	2.29	0.69				1.48	24.0	0.1372	0.1372
0115	2.98	0.97				1.97	54.0	0.1469	0.1469
0130	3.59	1.54				2.56	148.0	0.1736	0.1736
0145	3.86	1.69				2.77	204.0	0.2103	0.2103
0200	3.87	1.70				2.78	176.0	0.2420	0.2420
0215	3.88	1.70				2.79	148.0	0.2687	0.2687

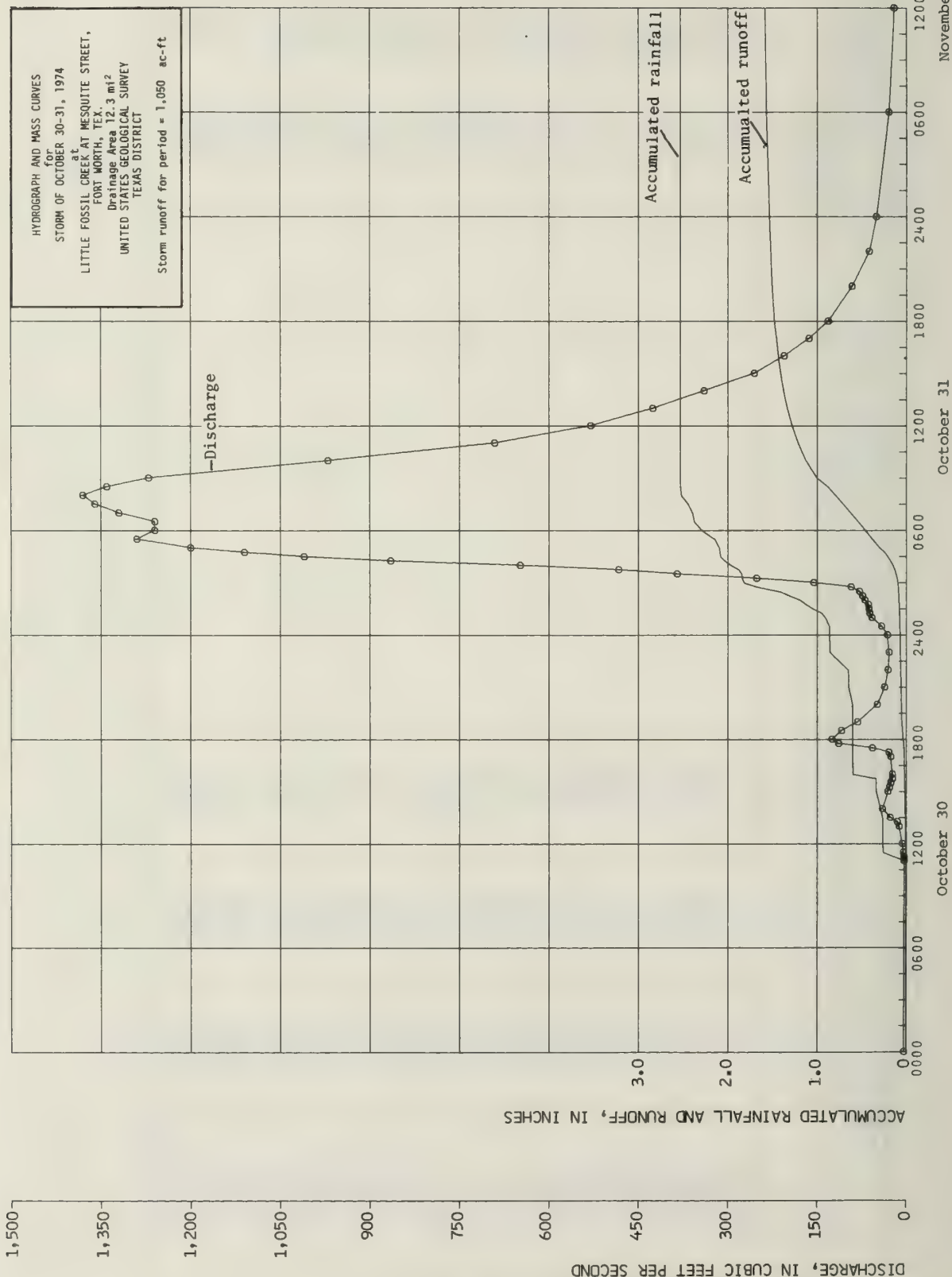
STORM RAINFALL AND RUNOFF RECORD									
STATION NO. 080+8600									
DAY BRANCH AT FAIR STREET, FORT WORTH, TEX.									
STORM OF JULY 24-25, 1975									
DATE & TIME	G A G E			P R E C I P I T A T I O N			D I S C H A R G E		
	1-04	2-04					IN	FT ³ /S	IN.
JULY 25									
0230	3.93	1.70				2.81		186.0	0.3022
0245	4.05	1.90				2.97		219.0	0.3415
0300	4.11	1.93				3.02		236.0	0.4053
0330	4.13	1.95				3.04		231.0	0.4885
0400	4.15	1.96				3.05		232.0	0.5512
0415	4.24	2.08				3.18		226.0	0.5919
0430	4.24	2.16				3.22		239.0	0.6350
0445	4.24	2.16				3.22		232.0	0.6768
0500	4.42	2.40				3.41		208.0	0.7143
0515	4.77	2.64				3.70		214.0	0.7528
0530	4.90	2.80				3.85		220.0	0.7925
0545	5.11	2.88				3.99		194.0	0.8274
0600	5.67	3.05				4.36		184.0	0.8606
0615	6.30	3.74				5.02		234.0	0.9028
0630	6.53	4.14				5.33		299.0	0.9566
0645	6.71	4.32				5.51		363.0	1.0220
0700	7.01	4.50				5.75		334.0	1.0822
0715	7.21	4.83				6.02		336.0	1.1428
0730	7.41	5.10				6.25		370.0	1.2094
0745	7.46	5.25				6.35		397.0	1.2810
0800	7.53	5.30				6.41		386.0	1.3505
0815	7.54	5.31				6.42		382.0	1.4193
0830	7.54	5.31				6.42		415.0	1.4941
0845	7.54	5.31				6.42		435.0	1.5725
0900	7.54	5.31				6.42		447.0	1.6530
0915	7.55	5.31				6.43		429.0	1.7303
0930	7.55	5.31				6.43		417.0	1.8055
0945	7.55	5.31				6.43		401.0	1.8777
1000	7.55	5.31				6.43		380.0	1.9804
1030	7.56	5.31				6.43		355.0	2.1084
1100	7.57	5.31				6.44		335.0	2.2291
1130	7.57	5.31				6.44		305.0	2.3390
1200	7.59	5.31				6.45		243.0	2.4047
1215	7.64	5.43				6.53		234.0	2.4468
1230	7.67	5.45				6.56		215.0	2.4856
1245	7.69	5.46				6.57		186.0	2.5191
1300	7.70	5.48				6.59		129.0	2.5423
1315	7.71	5.50				6.60		82.0	2.5571
1330	7.72	5.50				6.61		77.0	2.5710

STORM RAINFALL AND RUNOFF RECORD									
STA. NO. 08048600		1975 WATER YEAR							
DRY BRANCH AT FAIR STREET, FORT WORTH, TEX.									
DATE & TIME		G A G E		S T O R M O F J U L Y 24-25, 1975		A C C U M .		D I S C H A R G E	
						W E I G H T E D		I N	
		1-04	2-08			P R E C I P .		F T ³ /S	I N .
JULY 25									
1345		7.72	5.50			6.61		75.0	2.5845
1400		7.73	5.51			6.62		71.0	2.6165
1500		7.74	5.52			6.63		53.0	2.6738
1700		7.75	5.52			6.63		34.0	2.7350
2000		7.78	5.56			6.67		27.0	2.7837
2200		7.78	5.56			6.67		19.0	2.8111
2400		7.78	5.56			6.67		12.0	2.8219
JULY 26									
0000		7.78	5.56			6.67		12.0	2.8219
0100		7.78	5.56			6.67		8.4	2.8331
0300		7.78	5.56			6.67		5.4	2.8448
0700		7.78	5.56			6.67		3.8	2.8571
1200		7.78	5.56			6.67		2.8	2.8743
2400		7.78	5.56			6.67		1.7	2.8816



STORM RAINFALL AND RUNOFF RECORD									
STA. NO. 08048850									
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX.									
STORM OF OCTOBER 30-31, 1974									
DATE & TIME	G A G E			PRECIP. IN.	DISCHARGE FT ³ /S	ACCUM. WEIGHTED IN.	DISCHARGE IN	ACCUM. RUNOFF	1975 WATER YEAR IN.
	1-LF	2-LF	3-LF						
OCT. 30									
0000	0.0	0.0	0.0			0.0	4.2	0.0029	0.0029
1100	0.0	0.0	0.0			0.0	3.6	0.0055	0.0055
1115	0.03	0.02	0.30			0.14	3.6	0.0056	0.0056
1130	0.04	0.14	0.51			0.26	5.0	0.0058	0.0058
1200	0.05	0.15	0.51			0.26	6.6	0.0064	0.0064
1300	0.05	0.15	0.51			0.26	12.0	0.0074	0.0074
1315	0.05	0.15	0.51			0.26	15.0	0.0079	0.0079
1400	0.09	0.20	0.51			0.29	27.0	0.0091	0.0091
1500	0.15	0.24	0.55			0.34	40.0	0.0129	0.0129
1515	0.15	0.25	0.55			0.34	31.0	0.0153	0.0153
1530	0.15	0.25	0.55			0.34	28.0	0.0162	0.0162
1545	0.15	0.25	0.55			0.34	26.0	0.0170	0.0170
1600	0.23	0.54	0.94			0.60	23.0	0.0178	0.0178
1700	0.23	0.55	0.94			0.60	23.0	0.0196	0.0196
1715	0.23	0.55	0.94			0.60	26.0	0.0216	0.0216
1730	0.23	0.55	0.94			0.60	29.0	0.0225	0.0225
1745	0.23	0.55	0.94			0.60	57.0	0.0243	0.0243
1800	0.23	0.55	0.94			0.60	114.0	0.0279	0.0279
1830	0.23	0.55	0.94			0.60	125.0	0.0338	0.0338
1900	0.23	0.55	0.94			0.60	109.0	0.0407	0.0407
2000	0.24	0.55	0.94			0.60	82.0	0.0484	0.0484
2100	0.30	0.59	0.97			0.65	49.0	0.0546	0.0546
2200	0.31	0.59	0.97			0.65	37.0	0.0593	0.0593
2300	0.56	0.76	1.16			0.86	31.0	0.0632	0.0632
2400	0.56	0.77	1.17			0.86	29.0	0.0668	0.0668
OCT. 31							32.0	0.0694	0.0694
0000	0.56	0.77	1.17			0.86	32.0	0.0694	0.0694
0030	0.56	0.77	1.17			0.86	42.0	0.0725	0.0725
0100	0.66	0.78	1.19			0.91	58.0	0.0753	0.0753
0115	0.67	0.84	1.24			0.95	62.0	0.0772	0.0772
0130	0.84	0.90	1.29			1.05	63.0	0.0792	0.0792
0145	0.49	1.02	1.34			1.12	64.0	0.0812	0.0812
0200	0.45	1.10	1.45			1.14	70.0	0.0834	0.0834
0215	1.13	1.13	1.57			1.31	74.0	0.0857	0.0857
0230	1.30	1.27	1.61			1.42	79.0	0.0882	0.0882
0245	1.56	1.50	1.85			1.66	93.0	0.0912	0.0912
0300	1.64	1.65	2.05			1.82	156.0	0.0961	0.0961
0315	1.67	1.68	2.07			1.84	252.0	0.1040	0.1040
0330	1.58	1.69	2.08			1.85	345.0	0.1161	0.1161

STORM RAINFALL AND RUNOFF RECORD									
1975 WATER YEAR									
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX. STORM OF OCTOBER 30-31, 1974									
DATE & TIME	1-LF	2-LF	3-LF	G A G E	N U M B E R	WEIGHTED PRECIP.	DISCHARGE IN	ACCUM. IN	ACCUM. RUNOFF
						IN.	FT ³ /S		IN.
OCT. 31									
0345	1.73	1.71	2.10			1.88	483.0		0.1313
0400	1.80	1.79	2.20			1.96	648.0		0.1518
0415	1.88	1.85	2.27			2.03	865.0		0.1790
0430	1.91	1.91	2.33			2.08	1010.0		0.2108
0445	1.91	1.92	2.34			2.09	1110.0		0.2458
0500	1.92	1.92	2.35			2.10	1200.0		0.3025
0530	1.94	1.95	2.43			2.14	1290.0		0.3837
0600	2.11	2.11	2.55			2.29	1260.0		0.4631
0630	2.18	2.22	2.63			2.37	1260.0		0.5425
0700	2.20	2.25	2.64			2.39	1320.0		0.6256
0730	2.25	2.28	2.70			2.44	1360.0		0.7113
0800	2.30	2.39	2.78			2.52	1380.0		0.7982
0830	2.30	2.41	2.79			2.53	1340.0		0.8826
0900	2.30	2.42	2.79			2.53	1270.0		1.0026
1000	2.30	2.42	2.79			2.53	970.0		1.1248
1100	2.30	2.42	2.79			2.53	691.0		1.2119
1200	2.30	2.42	2.79			2.53	530.0		1.2786
1300	2.30	2.42	2.79			2.53	426.0		1.3323
1400	2.30	2.42	2.79			2.53	340.0		1.3751
1500	2.30	2.42	2.79			2.53	256.0		1.4074
1600	2.30	2.42	2.79			2.53	206.0		1.4333
1700	2.30	2.42	2.79			2.53	164.0		1.4540
1800	2.30	2.42	2.79			2.53	132.0		1.4789
2000	2.30	2.42	2.79			2.53	92.0		1.5021
2200	2.30	2.42	2.79			2.53	63.0		1.5180
2400	2.30	2.42	2.79			2.53	51.0		1.5341
NOV. 1									
0000	2.30	2.42	2.79			2.53	51.0		1.5341
0600	2.30	2.42	2.79			2.53	30.0		1.5664
1200	2.30	2.42	2.79			2.53	21.0		1.5822
1800	2.30	2.42	2.79			2.53	16.0		1.5943
2400	2.30	2.42	2.79			2.53	14.0		1.5996

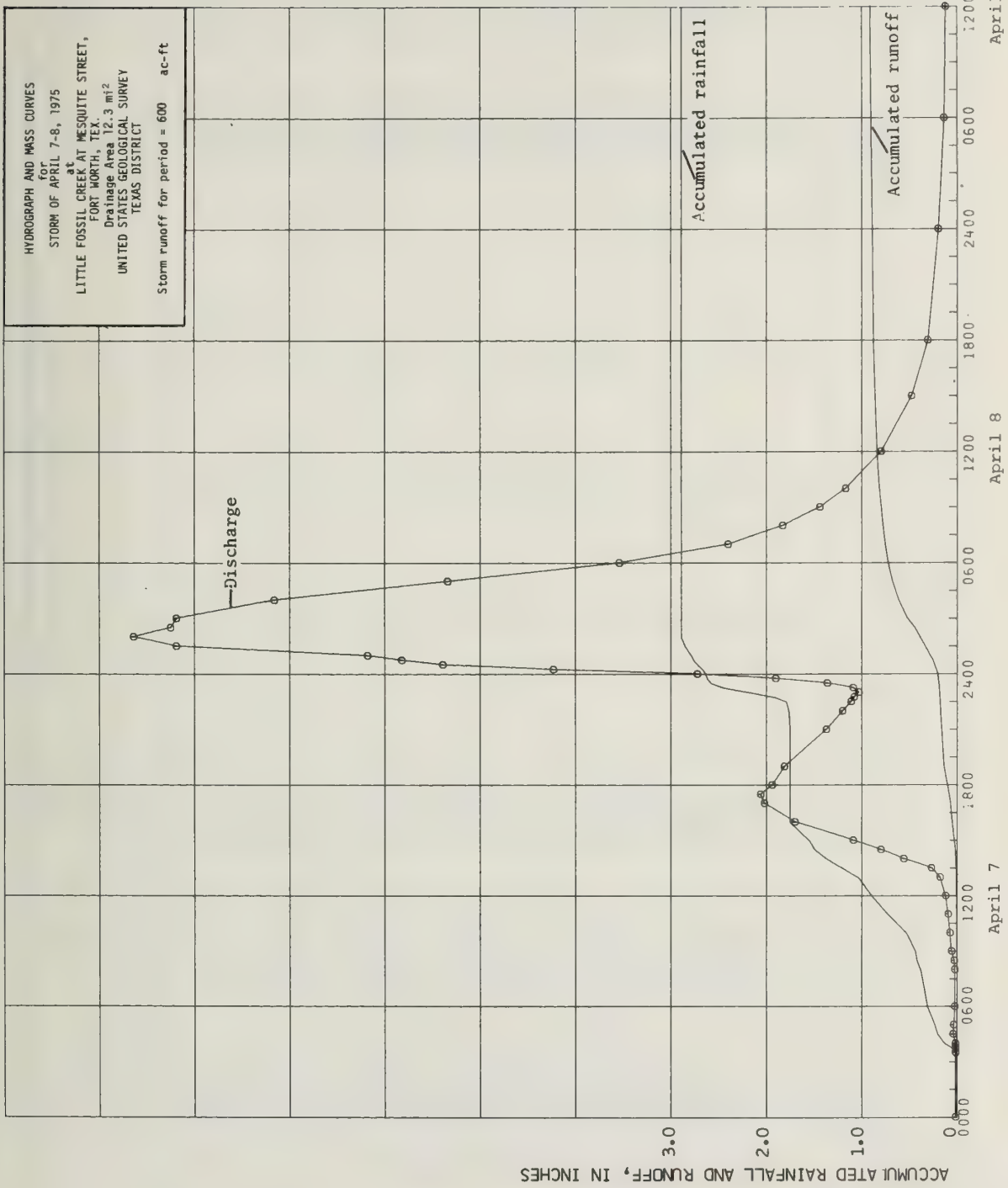


STORM RAINFALL AND RUNOFF RECORD									
STA. 00. 080+885									
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX. STORM OF APRIL 7-8, 1975									
DATE & TIME	1-LF	2-LF	3-LF	PRECIP. IN.	FT ³ /S	IN.	DISCHARGE IN	ACCUM. IN	RUNOFF
APR. 7									
0000	0.9	0.0	0.0	0.0	1.5	0.0003			
0330	0.0	0.0	0.0	0.0	1.5	0.0007			
0345	0.09	0.06	0.01	0.05	1.5	0.0007			
0400	0.20	0.11	0.08	0.13	1.5	0.0008			
0430	0.30	0.22	0.11	0.20	3.9	0.0010			
0500	0.31	0.28	0.14	0.23	3.6	0.0014			
0600	0.40	0.36	0.21	0.31	2.6	0.0019			
0800	0.45	0.43	0.30	0.38	2.6	0.0023			
0830	0.50	0.48	0.32	0.42	3.2	0.0025			
0900	0.51	0.48	0.35	0.44	5.8	0.0030			
1000	0.60	0.56	0.46	0.53	7.5	0.0040			
1100	0.80	0.77	0.64	0.73	9.4	0.0052			
1200	1.01	0.95	0.77	0.90	12.0	0.0067			
1300	1.12	1.07	0.95	1.04	18.0	0.0084			
1330	1.29	1.22	1.12	1.20	27.0	0.0101			
1400	1.45	1.38	1.29	1.37	56.0	0.0136			
1430	1.61	1.56	1.35	1.49	80.0	0.0186			
1500	1.66	1.60	1.43	1.55	109.0	0.0289			
1600	1.85	1.82	1.63	1.75	170.0	0.0504			
1700	1.85	1.82	1.63	1.75	202.0	0.0695			
1730	1.85	1.82	1.63	1.75	206.0	0.0824			
1800	1.85	1.82	1.63	1.75	194.0	0.1008			
1900	1.85	1.82	1.63	1.75	181.0	0.1350			
2100	1.85	1.82	1.63	1.75	137.0	0.1609			
2200	1.85	1.83	1.64	1.76	120.0	0.1722			
2230	1.90	1.86	1.65	1.79	111.0	0.1774			
2245	2.04	1.94	1.79	1.91	108.0	0.1808			
2300	2.24	2.24	2.06	2.17	103.0	0.1841			
2315	2.54	2.56	2.28	2.44	109.0	0.1875			
2330	2.66	2.70	2.43	2.58	136.0	0.1918			
2345	2.70	2.76	2.46	2.62	190.0	0.1978			
2400	2.72	2.77	2.48	2.63	272.0	0.2042			
APR. 8									
0000	2.72	2.77	2.48	2.63	272.0	0.2042			
0015	2.76	2.80	2.50	2.66	423.0	0.2197			
0030	2.80	2.86	2.56	2.72	539.0	0.2366			
0045	2.85	2.91	2.59	2.76	582.0	0.2550			
0100	2.88	2.92	2.62	2.78	618.0	0.2842			
0130	2.95	3.00	2.67	2.85	819.0	0.3358			
0200	2.98	3.04	2.71	2.89	864.0	0.3902			

STORM RAINFALL AND RUNOFF RECORD										
STA. NO. 08048650		1975 WATER YEAR								
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX. STORM OF APRIL 7-8, 1975										
DATE & TIME	G A G E N U M B E R					ACCUM. WEIGHTED PRECIP.		DISCHARGE		ACCUM. RUNOFF
	1-LF	2-LF	3-LF			IN.	FT ³ /S	IN.	IN.	
APR. 7										
0230	2.9A	3.06	2.71			2.89	825.0		0.4422	
0300	2.9A	3.06	2.71			2.89	819.0		0.5195	
0400	2.9A	3.06	2.71			2.89	716.0		0.6097	
0500	2.9A	3.06	2.71			2.89	534.0		0.6770	
0600	2.9A	3.06	2.71			2.89	354.0		0.7216	
0700	2.98	3.06	2.71			2.89	240.0		0.7519	
0800	2.9A	3.06	2.71			2.89	183.0		0.7749	
0900	2.9A	3.06	2.71			2.89	144.0		0.7930	
1000	2.98	3.06	2.71			2.89	117.0		0.8152	
1200	2.9A	3.06	2.71			2.89	80.0		0.8404	
1500	2.9A	3.06	2.71			2.89	48.0		0.8585	
1800	2.9A	3.06	2.71			2.89	31.0		0.8761	
2400	2.9A	3.06	2.71			2.89	20.0		0.8874	
APR. 8										
0000	2.9A	3.06	2.71			2.89	20.0		0.8874	
0600	2.9A	3.06	2.71			2.89	14.0		0.9018	
1200	2.9A	3.06	2.71			2.89	12.0		0.9108	
1800	2.9A	3.06	2.71			2.89	10.0		0.9184	
2400	2.9A	3.06	2.71			2.89	8.4		0.9216	

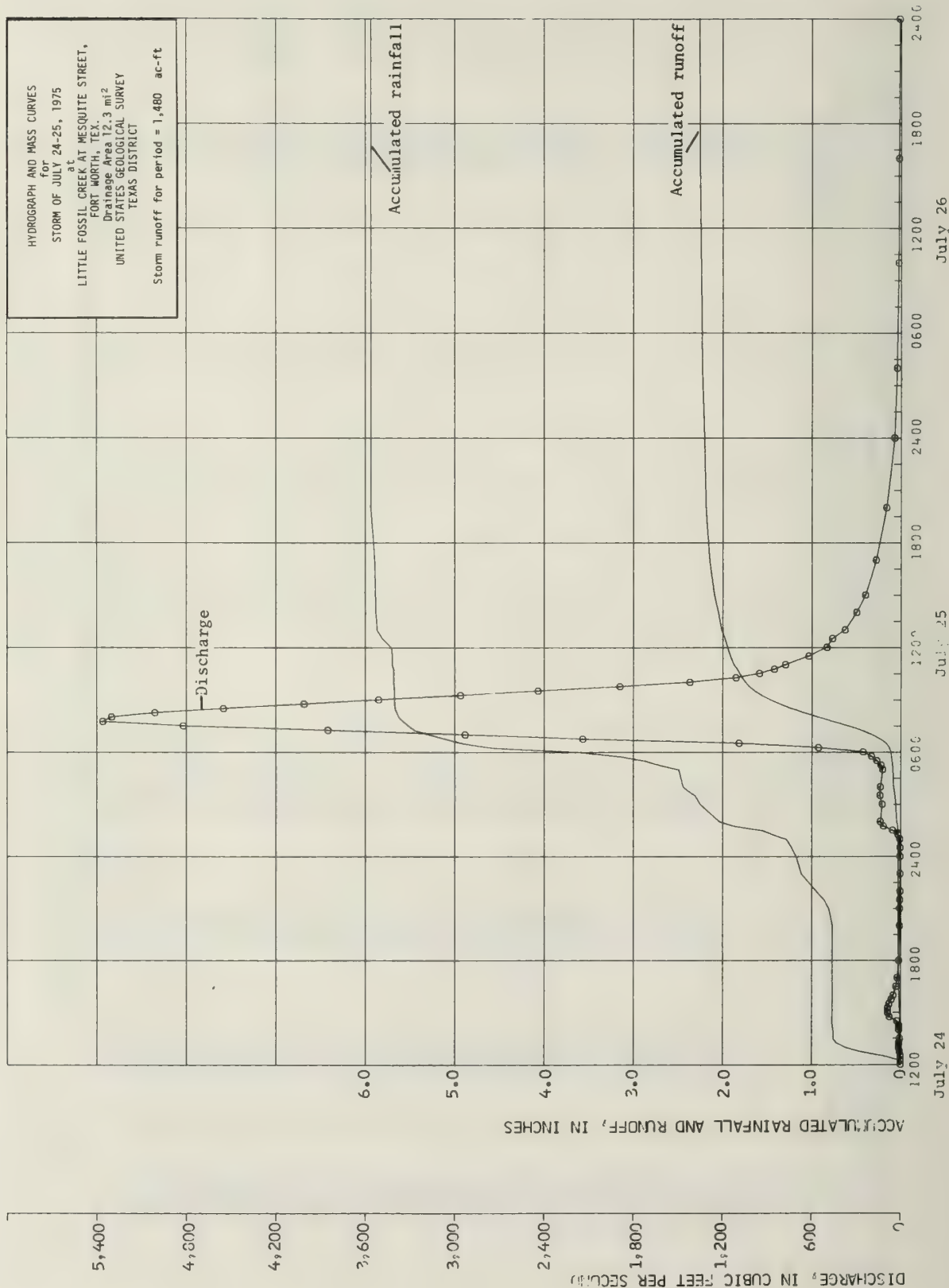
DISCHARGE, IN CUBIC FEET PER SECOND

900
800
700
600
500
400
300
200
100
0

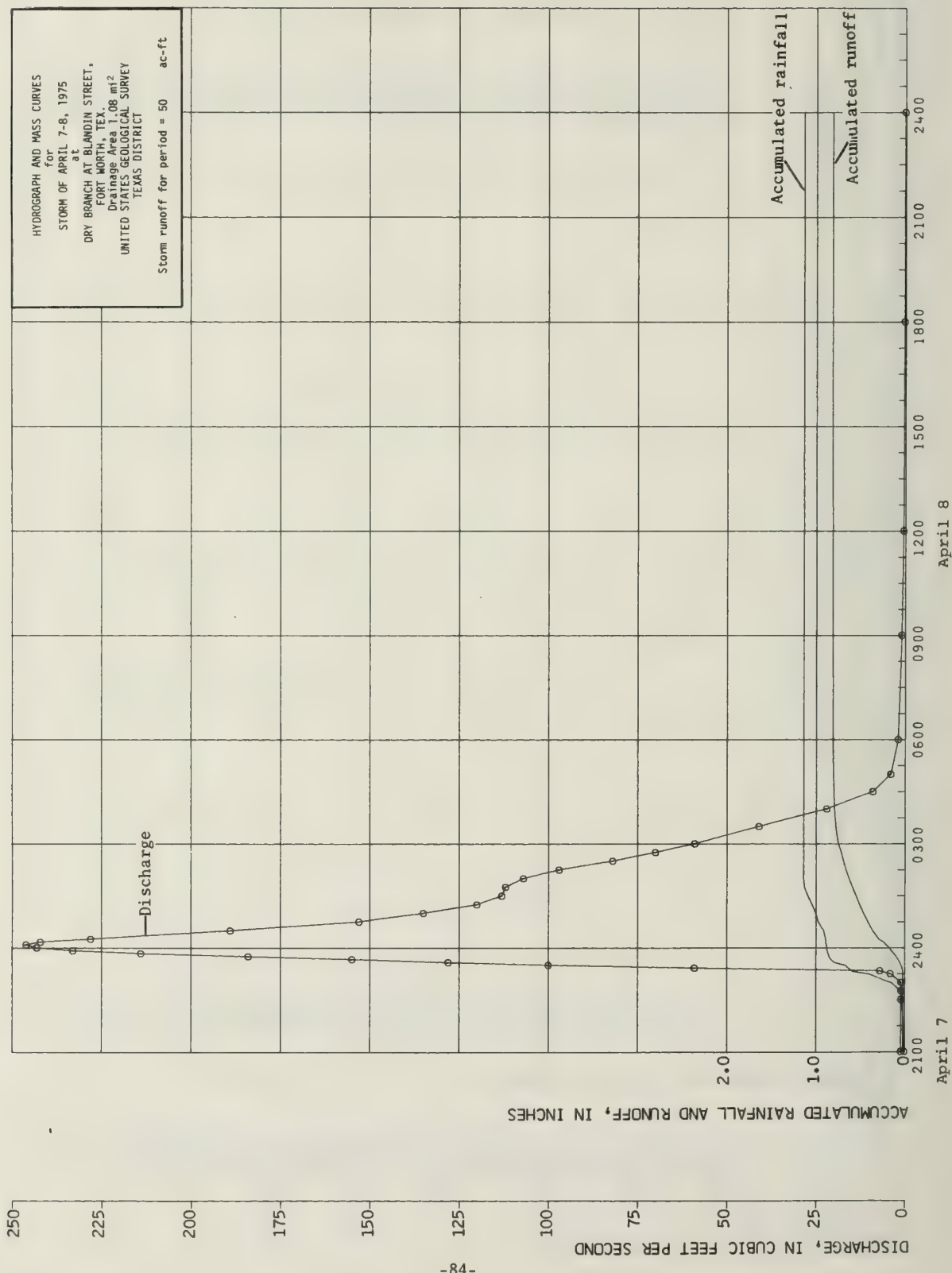


STORM RAINFALL AND RUNOFF RECORD									
SIA. NO. 0804885c									
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX. STORM OF JULY 24-25, 1975									
DATE & TIME	1-LF	2-LF	3-LF	G A G E	N U M B E R	PRECIP. IN.	FT ³ /S	DISCHARGE IN	ACCUM. RUNOFF IN.
JULY 24									
0000	0.0	0.0	0.0			0.0		0.0	0.0
1215	0.0	0.0	0.0			0.0		0.0	0.0
1230	0.0	0.0	0.0			0.18		0.0	0.0
1245	0.0	0.30	0.49			0.44		6.6	0.0002
1300	0.0	0.33	1.31			0.62		13.0	0.0006
1315	0.0	0.36	1.54			0.72		10.0	0.0009
1330	0.0	0.41	1.60			0.76		5.0	0.0012
1400	0.0	0.41	1.60			0.76		11.0	0.0017
1415	0.03	0.41	1.60			0.77		11.0	0.0020
1430	0.03	0.41	1.60			0.77		24.0	0.0028
1445	0.03	0.41	1.60			0.77		75.0	0.0052
1500	0.03	0.41	1.60			0.77		86.0	0.0079
1515	0.03	0.41	1.60			0.77		87.0	0.0106
1530	0.03	0.41	1.60			0.77		77.0	0.0130
1545	0.03	0.41	1.60			0.77		62.0	0.0150
1600	0.03	0.41	1.60			0.77		50.0	0.0173
1630	0.03	0.41	1.60			0.77		31.0	0.0193
1700	0.03	0.41	1.60			0.77		22.0	0.0214
1800	0.03	0.41	1.60			0.77		13.0	0.0238
2000	0.03	0.41	1.60			0.77		7.0	0.0252
2100	0.10	0.44	1.61			0.81		5.8	0.0257
2130	0.12	0.54	1.61			0.86		5.0	0.0260
2200	0.22	0.72	1.69			0.95		4.2	0.0264
2300	0.40	1.95	1.82			1.12		3.6	0.0269
2400	0.45	1.90	1.89			1.18		3.6	0.0271
JULY 25									
0000	0.45	1.00	1.89			1.18		3.6	0.0271
0030	0.49	1.05	1.94			1.22		3.2	0.0274
0100	0.51	1.0~	2.05			1.29		6.6	0.0277
0115	0.56	1.13	2.35			1.44		19.0	0.0283
0130	0.56	1.14	2.61			1.56		55.0	0.0300
0145	0.86	1.63	2.86			1.86		118.0	0.0338
0200	0.99	2.04	2.87			2.03		139.0	0.0447
0300	1.01	2.31	3.24			2.25		125.0	0.0565
0330	1.03	2.34	3.35			2.31		140.0	0.0653
0400	1.03	2.55	3.55			2.44		137.0	0.0783
0500	1.03	2.57	3.66			2.49		123.0	0.0880
0515	1.03	2.61	4.15			2.70		132.0	0.0921
0530	1.03	2.62	4.42			2.87		161.0	0.0972
0545	1.24	3.33	4.61			3.14		198.0	0.1034

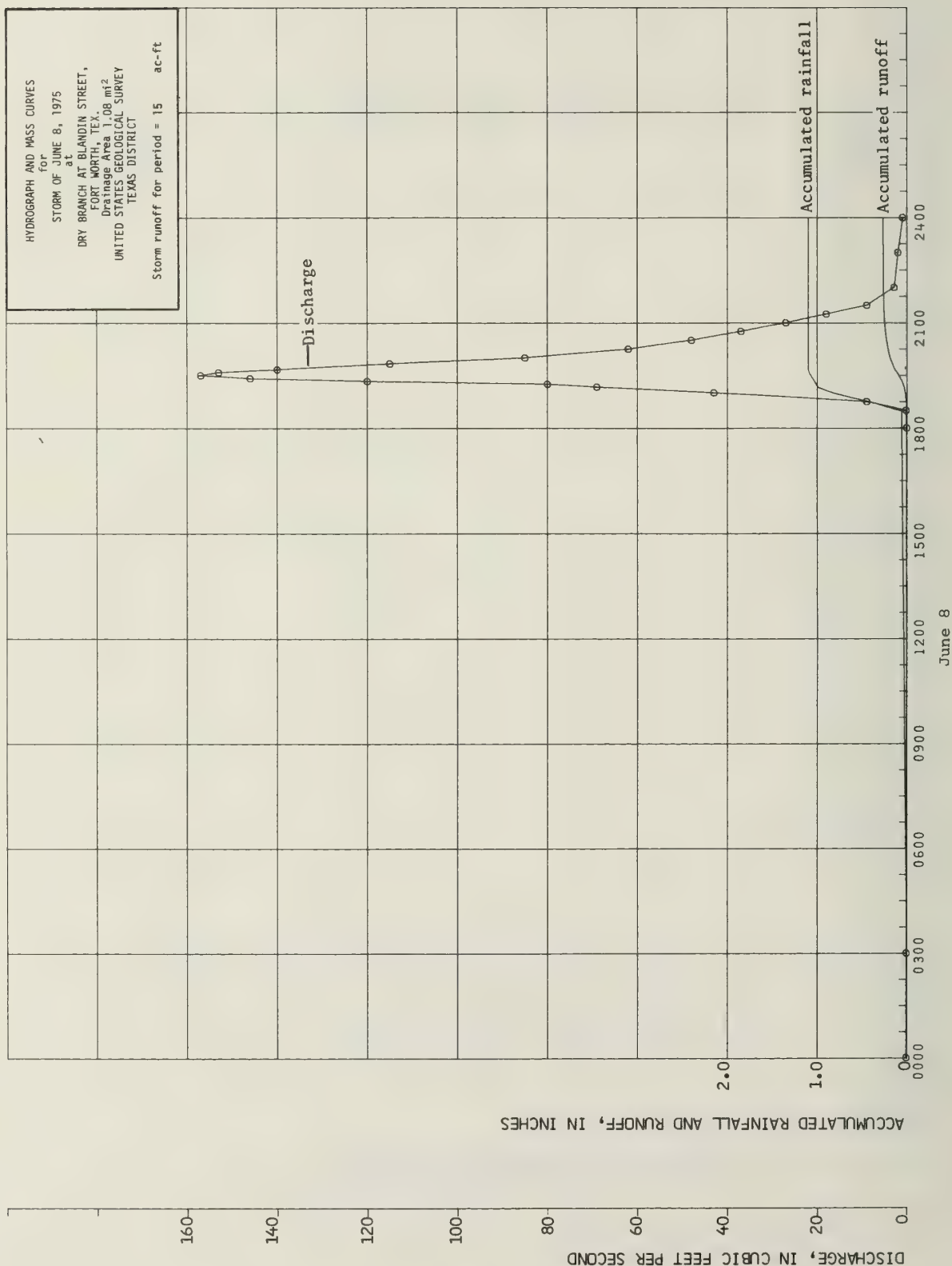
STA. NO. 08048850		STORM RAINFALL AND RUNOFF RECORD										1975 WATER YEAR	
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX.		STORM OF JULY 24-25, 1975										DISCHARGE	
DATE & TIME		G A G E N U M B E R										IN	
		1-LF	2-LF	3-LF								FT ³ /S	IN.
JULY 25													
0600	1.68	3.77	5.05									254.0	0.1114
0615	2.68	4.70	6.05									555.0	0.1289
0630	2.99	5.00	6.43									1090.0	0.1632
0645	3.13	5.24	6.63									2140.0	0.2306
0700	3.33	5.36	6.81									2930.0	0.3229
0715	3.43	5.43	7.12									3850.0	0.4442
0730	3.51	5.46	7.20									4820.0	0.5960
0745	3.57	5.48	7.28									5360.0	0.7648
0800	3.53	5.54	7.36									5300.0	0.9317
0815	3.59	5.56	7.40									5010.0	1.0895
0830	3.52	5.58	7.41									4550.0	1.2328
0845	3.63	5.59	7.41									4010.0	1.3591
0900	3.63	5.60	7.41									3510.0	1.4697
0915	3.63	5.60	7.41									2960.0	1.5629
0930	3.63	5.60	7.41									2440.0	1.6398
0945	3.63	5.60	7.42									1890.0	1.6993
1000	3.63	5.60	7.43									1420.0	1.7440
1015	3.63	5.60	7.43									1110.0	1.7750
1030	3.63	5.60	7.43									952.0	1.8090
1045	3.63	5.60	7.43									852.0	1.8358
1100	3.68	5.60	7.43									777.0	1.8725
1130	3.68	5.60	7.43									620.0	1.9115
1200	3.68	5.60	7.45									499.0	1.9430
1230	3.75	5.77	7.53									376.0	2.0075
1300	3.86	5.80	7.57									299.0	2.0452
1400	3.87	5.80	7.60									240.0	2.0906
1500	3.88	5.80	7.60									168.0	2.1435
1700	3.84	5.80	7.62									97.0	2.1862
2000	3.93	5.85	7.65									44.0	2.2029
2400	3.93	5.85	7.65										
JULY 26													
0000	3.93	5.85	7.65									44.0	2.2029
0400	3.93	5.85	7.65									24.0	2.2261
1000	3.93	5.85	7.65									17.0	2.2389
1600	3.93	5.85	7.65									14.0	2.2513
2400	3.93	5.85	7.65									8.4	2.2555



STATION NO. 08048550									
STORM RAINFALL AND RUNOFF RECORD									
DRY BRANCH AT BLANDING STREET, FORT WORTH, TEX.									
STORM OF APRIL 7-8, 1975									
DATE & TIME		1-DAY	G A G E		N U M B E R		ACCUM. WEIGHTED PRECIP.		1975 WATER YEAR
							IN.		FT ³ /S IN.
APR. 7									
0000		0.0					0.0	0.1	0.0015
2100		0.0					0.0	1.0	0.0176
2230		0.03					0.03	1.0	0.0189
2245		0.04					0.04	1.0	0.0193
2300		0.15					0.15	1.0	0.0196
2315		0.40					0.40	4.0	0.0206
2320		0.50					0.59	7.0	0.0214
2325		0.63					0.63	59.0	0.0285
2330		0.67					0.67	100.0	0.0404
2335		0.79					0.79	128.0	0.0557
2340		0.83					0.83	155.0	0.0743
2345		0.85					0.85	184.0	0.0963
2350		0.86					0.86	214.0	0.1218
2355		0.87					0.87	233.0	0.1497
2400		0.88					0.88	243.0	0.1715
APR. 8									
0000		0.88					0.88	243.0	0.1715
0005		0.88					0.88	246.0	0.2082
0010		0.89					0.89	242.0	0.2371
0015		0.89					0.89	228.0	0.2916
0030		0.91					0.91	189.0	0.3594
0045		0.97					0.97	153.0	0.4143
0100		1.00					1.00	135.0	0.4627
0115		1.04					1.04	120.0	0.5058
0130		1.04					1.04	113.0	0.5463
0145		1.13					1.13	112.0	0.5865
0200		1.14					1.14	107.0	0.6249
0215		1.14					1.14	97.0	0.6597
0230		1.14					1.14	82.0	0.6891
0245		1.14					1.14	70.0	0.7142
0300		1.14					1.14	59.0	0.7459
0330		1.14					1.14	41.0	0.7753
0400		1.14					1.14	22.0	0.7911
0430		1.14					1.14	9.0	0.7976
0500		1.14					1.14	4.0	0.8019
0600		1.14					1.14	2.0	0.8076
0700		1.14					1.14	1.0	0.8119
1200		1.14					1.14	0.5	0.8152
1800		1.14					1.14	0.3	0.8177
2400		1.14					1.14	0.2	0.8186



STORM RAINFALL AND RUNOFF RECORD									
STA. NO. 0804855r									
DRY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.									
STORM OF JUNE 8, 1975									
G A G E N U M B E R									
DATE & TIME									
1-DE									
JUNE 8									
								FT ³ /S	IN.
0000	0.0							0.1	0.0002
0300	0.0							0.1	0.0015
1800	0.06							0.1	0.0026
1530	0.06							0.2	0.0027
1845	0.40							9.0	0.0060
1900	0.81							43.0	0.0188
1910	0.99							69.0	0.0312
1915	1.01							80.0	0.0407
1920	1.03							120.0	0.0551
1925	1.05							146.0	0.0726
1930	1.07							157.0	0.0913
1935	1.09							153.0	0.1096
1940	1.10							140.0	0.1347
1950	1.10							115.0	0.1622
2000	1.10							85.0	0.1876
2015	1.10							62.0	0.2099
2030	1.10							48.0	0.2271
2045	1.10							37.0	0.2404
2100	1.10							27.0	0.2501
2115	1.10							18.0	0.2565
2130	1.10							9.0	0.2613
2200	1.10							2.9	0.2645
2300	1.10							2.1	0.2675
2400	1.10							1.0	0.2682



STORM RAINFALL AND RUNOFF RECORD									
STATION NO. 0804855									
DAY BRANCH AT BLADIN STREET, FORT WORTH, TEX.									
STORM OF JULY 24-25, 1975									
DATE & TIME	1-04							PRECIP. IN.	DISCHARGE IN
								FT ³ /S	IN.
JULY 24									
0000	0.0						0.0	0.1	0.0009
1215	0.0						0.0	0.1	0.0018
1230	0.33						0.33	1.5	0.0023
1245	1.10						1.10	5.0	0.0041
1300	1.29						1.29	59.0	0.0182
1305	1.39						1.39	102.0	0.0304
1310	1.44						1.44	131.0	0.0461
1315	1.44						1.44	140.0	0.0628
1320	1.50						1.50	142.0	0.0798
1325	1.5						1.50	141.0	0.0967
1330	1.50						1.50	132.0	0.1203
1340	1.50						1.50	115.0	0.1478
1350	1.50						1.50	95.0	0.1705
1400	1.50						1.50	70.0	0.1915
1415	1.50						1.50	46.0	0.2080
1430	1.50						1.50	27.0	0.2177
1445	1.50						1.50	14.0	0.2241
1500	1.50						1.50	11.0	0.2300
1530	1.50						1.50	4.0	0.2329
1600	1.50						1.50	2.0	0.2365
1600	1.50						1.50	1.0	0.2401
2100	1.55						1.55	0.5	0.2415
2200	1.61						1.61	0.5	0.2420
2230	1.69						1.69	0.5	0.2423
2245	1.71						1.71	0.5	0.2425
2300	1.75						1.75	0.5	0.2427
2315	1.77						1.77	1.0	0.2430
2330	1.79						1.79	4.0	0.2445
2345	1.80						1.80	5.0	0.2463
2400	1.81						1.81	6.0	0.2479
JULY 25									
0000	1.81						1.81	6.0	0.2479
0015	1.82						1.82	7.0	0.2509
0030	1.94						1.94	3.0	0.2538
0045	2.08						2.08	9.0	0.2559
0050	2.12						2.12	10.0	0.2571
0055	2.20						2.20	12.0	0.2586
0100	2.24						2.24	25.0	0.2616
0105	2.41						2.41	59.0	0.2686
0110	2.66						2.66	92.0	0.2756

STORM RAINFALL AND RUNOFF RECORD									
1975 WATER YEAR									
DAY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.									
STORM OF JULY 24-25, 1975									
DATE & TIME	GAGE	N	U	M	H	F	R	ACCUM.	
								PRECIP.	IN.
								DISCHARGE	RUNOFF
								IN	IN.
								FT ³ /S	
JULY 25									
0115	2.94							2.94	134.0
0120	3.04							3.09	175.0
0125	3.42							3.42	210.0
0130	3.59							3.59	276.0
0135	3.71							3.71	343.0
0140	3.85							3.85	403.0
0145	3.86							3.86	422.0
0150	3.86							3.86	428.0
0155	3.86							3.86	431.0
0200	3.87							3.87	425.0
0210	3.89							3.89	401.0
0220	3.91							3.91	386.0
0230	3.93							3.93	343.0
0240	3.95							3.95	288.0
0250	4.06							4.06	247.0
0300	4.11							4.11	224.0
0315	4.12							4.12	193.0
0330	4.13							4.13	157.0
0345	4.14							4.14	121.0
0400	4.15							4.15	87.0
0415	4.29							4.29	68.0
0430	4.29							4.29	74.0
0445	4.29							4.29	73.0
0500	4.42							4.42	60.0
0515	4.77							4.77	71.0
0530	4.90							4.90	125.0
0540	5.02							5.02	179.0
0550	5.19							5.19	221.0
0600	5.67							5.67	247.0
0610	5.94							5.94	284.0
0620	6.20							6.20	370.0
0630	6.53							6.53	440.0
0640	6.59							6.59	466.0
0650	6.79							6.79	488.0
0700	7.01							7.01	512.0
0720	7.26							7.26	554.0
0740	7.44							7.44	570.0
0800	7.53							7.53	559.0
0820	7.54							7.54	543.0

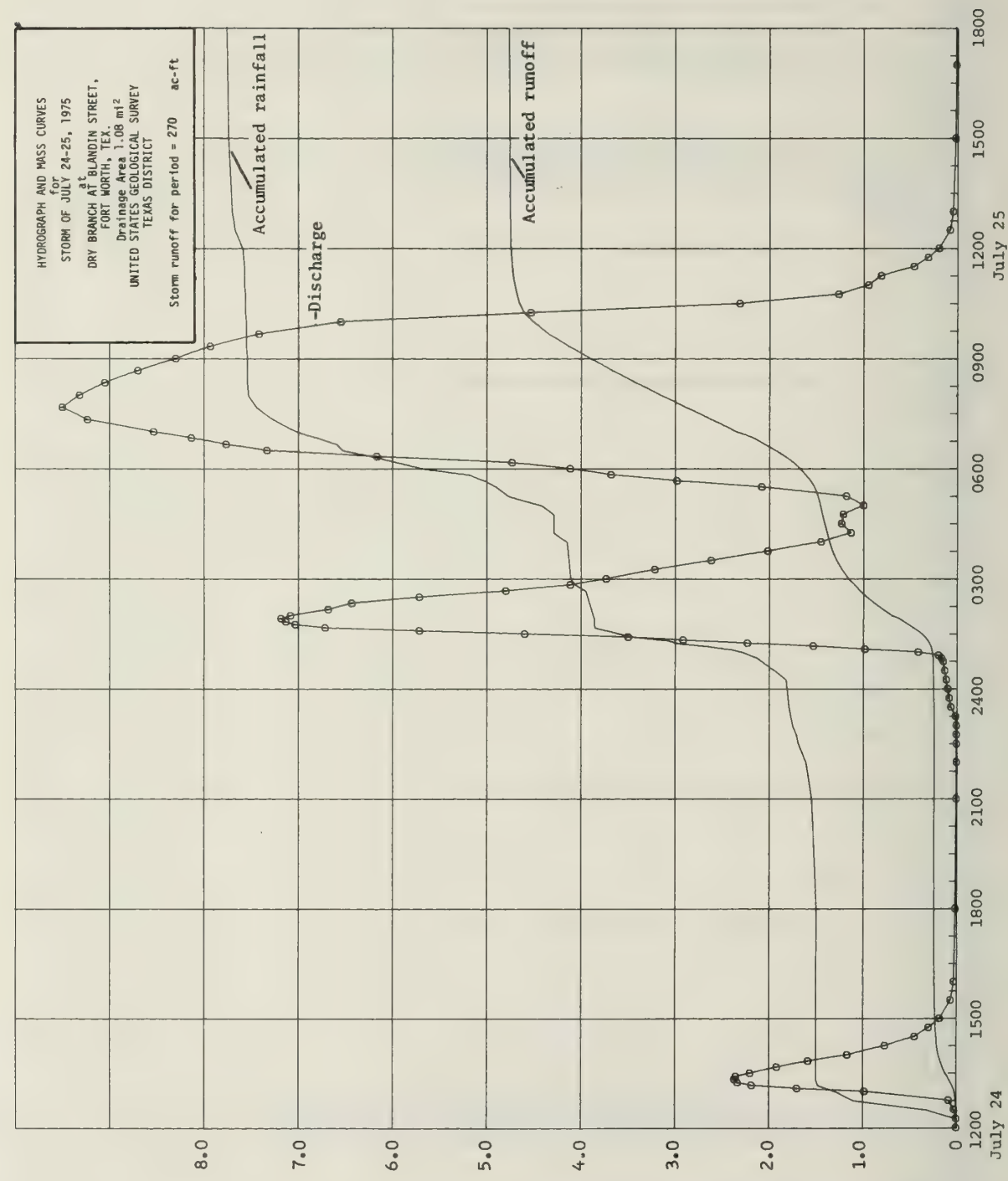
STORM RAINFALL AND RUNOFF RECORD									
STA. NO. 08048550		1975 WATER YEAR							
DRY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.									
DATE & TIME		G A G E		S T O R M O F J U L Y 2 4 - 2 5 , 1 9 7 5		A C C U M . W E I G H T E D P R E C I P .		D I S C H A R G E I N	
I - 0 - 4		I N .		I N .		F T ³ / S		I N .	
JULY 25									
0840		7.54				7.54		522.0	3.6624
0900		7.54				7.54		498.0	3.9006
0920		7.55				7.55		476.0	4.1282
0940		7.55				7.55		445.0	4.3411
1000		7.55				7.55		393.0	4.5055
1015		7.56				7.56		272.0	4.6031
1030		7.56				7.56		139.0	4.6529
1045		7.56				7.56		76.0	4.6802
1100		7.57				7.57		57.0	4.7007
1115		7.57				7.57		49.0	4.7182
1130		7.57				7.57		28.0	4.7283
1145		7.58				7.58		19.0	4.7351
1200		7.59				7.59		12.0	4.7415
1230		7.67				7.67		5.0	4.7451
1300		7.70				7.70		3.0	4.7505
1500		7.74				7.74		1.5	4.7548
1700		7.75				7.75		0.9	4.7580
2000		7.78				7.78		0.7	4.7616
2400		7.78				7.78		0.5	4.7630

DISCHARGE, IN CUBIC FEET PER SECOND

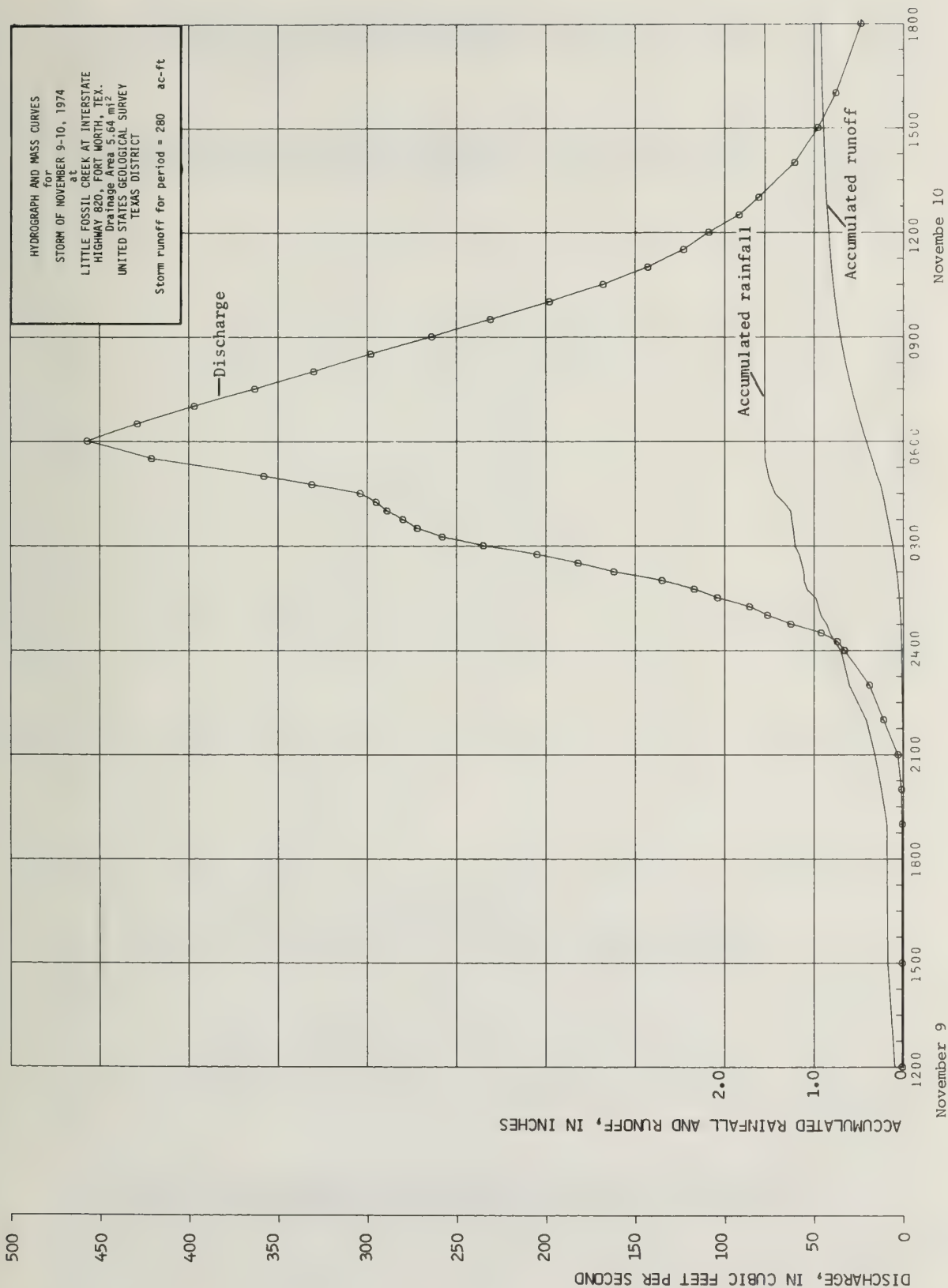
0 60 120 180 240 300 360 420 480 540 600

-6-

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES



STORM RAINFALL AND RUNOFF RECORD									
STA. NO. 080+882"									
LITTLE FOSSIL CREEK AT INTERSTATE HWY 820, FT WORTH, TEX									
STORM OF NOVEMBER 9-10, 1974									
DATE & TIME	G A G E N U M B E R				ACCUM. WEIGHTED PRECIP.	DISCHARGE			
	1-LF	2-LF				IN	FT ³ /S	IN.	ACCUM. RUNOFF
NOV. 9									
0000	0.0	0.0			0.0		0.5		0.0007
0130	0.0	0.0			0.0		0.5		0.0015
1200	0.10	0.02			0.10		0.5		0.0019
1500	0.16				0.18		0.6		0.0024
1900	0.19	0.17			0.19		0.6		0.0028
2000	0.25	0.24			0.25		1.0		0.0031
2100	0.32	0.32			0.32		3.0		0.0039
2200	0.41	0.44			0.42		11.0		0.0070
2300	0.63	0.53			0.61		19.0		0.0122
2400	0.70	0.71			0.70		33.0		0.0173
NOV. 10									
0000	0.70	0.71			0.70		33.0		0.0173
0015	0.77	0.76			0.77		37.0		0.0204
0030	0.82	0.83			0.82		46.0		0.0236
0045	0.85	0.88			0.86		63.0		0.0279
0100	0.92	0.92			0.92		76.0		0.0331
0115	0.95	0.95			0.95		86.0		0.0390
0130	0.98	0.97			0.98		104.0		0.0462
0145	1.08	1.07			1.08		117.0		0.0542
0200	1.11	1.11			1.11		135.0		0.0635
0215	1.11	1.13			1.11		162.0		0.0746
0230	1.14	1.14			1.14		182.0		0.0871
0245	1.16	1.16			1.16		205.0		0.1012
0300	1.21	1.21			1.21		235.0		0.1173
0315	1.22	1.23			1.22		258.0		0.1350
0330	1.23	1.24			1.23		272.0		0.1537
0345	1.25	1.25			1.25		280.0		0.1729
0400	1.26	1.26			1.26		289.0		0.1928
0415	1.35	1.24			1.34		295.0		0.2131
0430	1.45	1.34			1.43		304.0		0.2339
0445	1.48	1.46			1.48		331.0		0.2567
0500	1.51	1.51			1.51		354.0		0.2936
0530	1.55	1.56			1.55		421.0		0.3514
0600	1.55	1.57			1.55		457.0		0.4142
0630	1.55	1.57			1.55		429.0		0.4731
0700	1.55	1.57			1.55		397.0		0.5276
0730	1.55	1.57			1.55		363.0		0.5775
0800	1.55	1.57			1.55		330.0		0.6228
0830	1.55	1.57			1.55		294.0		0.6638
0900	1.55	1.57			1.55		264.0		0.7001



STORM RAINFALL AND RUNOFF RECORD									
STA. NO. 0P048B20		1975 WATER YEAR							
LITTLE FOSSIL CREEK AT INTERSTATE HWY 82, FT WORTH, TEX									
STORM OF JULY 25, 1975									
DATE & TIME	1-LF	2-LF	GAGE	NUMBER	PRECIP. IN.	DISCHARGE IN	FT ³ /S	ACCUM. WEIGHTED PRECIP. IN.	ACCUM. RUNOFF IN.
JULY 25									
0000	0.0	0.0			0.0	0.5		0.0000	
0030	0.04	0.05			0.04	0.5		0.0001	
0100	0.06	0.09			0.07	0.7		0.0002	
0115	0.11	0.13			0.11	0.9		0.0002	
0130	0.11	0.14			0.13	0.9		0.0003	
0145	0.41	0.60			0.46	3.0		0.0005	
0200	0.54	1.04			0.67	6.0		0.0009	
0215	0.54	1.14			0.69	43.0		0.0039	
0230	0.55	1.20			0.71	48.0		0.0072	
0245	0.56	1.26			0.73	36.0		0.0096	
0300	0.56	1.31			0.74	20.0		0.0110	
0315	0.57	1.33			0.75	14.0		0.0120	
0330	0.54	1.34			0.76	11.0		0.0127	
0345	0.54	1.43			0.78	9.0		0.0133	
0400	0.54	1.55			0.81	8.0		0.0139	
0415	0.54	1.55			0.81	7.0		0.0144	
0430	0.54	1.56			0.82	29.0		0.0164	
0445	0.54	1.56			0.82	21.0		0.0178	
0500	0.54	1.57			0.82	16.0		0.0189	
0515	0.54	1.60			0.82	14.0		0.0199	
0530	0.54	1.82			0.88	13.0		0.0208	
0545	0.70	2.33			1.16	27.0		0.0226	
0600	1.23	2.77			1.60	86.0		0.0285	
0615	2.23	3.73			2.58	133.0		0.0377	
0630	2.54	4.00			2.89	448.0		0.0684	
0645	2.64	4.24			3.05	694.0		0.1164	
0700	2.64	4.36			3.24	1030.0		0.1871	
0715	2.94	4.43			3.33	1170.0		0.2675	
0730	3.04	4.45			3.40	1260.0		0.3540	
0745	3.12	4.44			3.45	1130.0		0.4317	
0800	3.13	4.54			3.47	974.0		0.4986	
0815	3.14	4.56			3.48	810.0		0.5542	
0830	3.17	4.54			3.51	682.0		0.6010	
0845	3.14	4.59			3.52	582.0		0.6410	
0900	3.14	4.61			3.52	516.0		0.6765	
0915	3.14	4.60			3.52	478.0		0.7093	
0930	3.14	4.60			3.52	457.0		0.7564	
1000	3.14	4.60			3.52	424.0		0.8146	
1030	3.14	4.60			3.52	364.0		0.8646	

STORM RAINFALL AND RUNOFF RECORD												
STA. NO. 08048820		LITTLE FOSSIL CREEK AT INTERSTATE HWY 20, FT WORTH, TEX										
		STORM OF JULY 25, 1975										
DATE & TIME	G A G E				N U M B E R				ACCUM. WEIGHTED PRECIP.		DISCHARGE	ACCUM.
	1-LF	2-LF							IN.	FT ³ /S	IN.	RUNOFF
JULY 25												
1100	3.23	4.66							3.56	286.0		0.9039
1130	3.23	4.66							3.56	220.0		0.9341
1200	3.23	4.66							3.56	168.0		0.9572
1230	3.30	4.77							3.65	133.0		0.9755
1300	3.41	4.87							3.74	106.0		0.9900
1330	3.41	4.87							3.74	88.0		1.0021
1400	3.42	4.88							3.75	75.0		1.0124
1430	3.42	4.88							3.75	64.0		1.0212
1500	3.43	4.88							3.76	58.0		1.0292
1530	3.43	4.88							3.76	50.0		1.0361
1600	3.43	4.88							3.76	42.0		1.0447
1700	3.43	4.88							3.76	32.0		1.0535
1800	3.45	4.82							3.78	31.0		1.0620
1900	3.47	4.84							3.80	24.0		1.0686
2000	3.44	4.85							3.81	20.0		1.0769
2200	3.44	4.85							3.81	16.0		1.0857
2400	3.42	4.85							3.81	10.0		1.0884

